

CURRICULUM VITAE

NAME: Martin Alda, MD, FRCPC

DATE AND PLACE OF BIRTH: September 22, 1957, Liberec, Czechoslovakia

CITIZENSHIP: Canada, Czech Republic

ADDRESS: Department of Psychiatry, Dalhousie University
Abbie J. Lane Building Room 3088
5909 Veterans Memorial Lane
Halifax, Nova Scotia, B3H 2E2
Canada
+1 902 473 2712 (office)
+1 902 473 4877 (FAX)
malda@dal.ca (e-mail)
<http://psychiatry.medicine.dal.ca/people/faculty/alda.htm> (web)

DEGREES

1976 - 1982 M.D., with distinction (*summa cum laude*), Charles University, Prague, Czechoslovakia

CURRENT APPOINTMENTS

2003 - present Active staff member, Capital District Health Authority, Halifax, Nova Scotia, Canada
2007 - present Member, Brain Repair Centre, member, Dalhousie University, Halifax
2007 - present Professor, Department of Psychiatry, Dalhousie University, Halifax, Canada
2007 - present Killam Chair in Mood Disorders, Dalhousie University, Halifax, Canada
2008 - present Adjunct Professor, Department of Psychiatry, McGill University, Montreal, Canada
2015 - present Senior researcher, adjunct, National Institute of Mental Health, Klecany, Czech Republic
2016 - present Member, Scientific Council, National Institute of Mental Health, Klecany, Czech Republic

PAST APPOINTMENTS

1978 - 1980 Research Assistant, part-time, Institute of Molecular Biology, Czechoslovak Academy of Sciences, Prague
1979 - 1981 Research Assistant, part-time, Department of Pathology, Charles University School of Medicine, Prague
1980 - 1982 Research Assistant, part-time, Department of Psychiatry, Charles University School of Medicine, Prague
1983 - 1988 Research Psychiatrist, Psychiatric Research Unit, Medical School of Charles University, Prague
1985 - 1986 Research Psychiatrist, part-time, Psychiatric Research Institute, Prague
1986 - 1988 Staff Psychiatrist, Department of Psychiatry, Faculty Hospital, Charles University, Prague (psychiatrist on inpatient unit, consultation and liaison service in the Faculty Hospital)
1988 - 1989 Visiting Professor, Department of Psychiatry, University of Ottawa, Royal Ottawa Hospital, Ottawa, Ontario, Canada; Associate Staff Psychiatrist, Royal Ottawa Hospital

1993 - 1998	Assistant Professor, Department of Psychiatry, University of Ottawa
1993 - 1998	Staff Psychiatrist, Royal Ottawa Hospital, Ottawa
1993 - 2005	Member, Institute of Mental Health Research, University of Ottawa, Ottawa, Ontario
1994 - 1999	Ontario Mental Health Foundation Research Fellow
1998 - 2003	Associate Professor, Department of Psychiatry, Dalhousie University, Halifax, Nova Scotia
1998 - 2003	Staff Psychiatrist, QEII Health Sciences Centre, Halifax, Nova Scotia
1998 - 2003	Staff Psychiatrist, Nova Scotia Hospital, Dartmouth, Nova Scotia
1998 - 2003	Dalhousie University Clinical Research Scholar
1998 - 2005	Visiting Professor, Department of Psychiatry, University of Ottawa, Ottawa, Ontario
1998 - 2005	Consulting Staff Member, Royal Ottawa Hospital, Ottawa, Ontario
1999 - 2003	Acting Head, Bipolar Clinic, QEII Health Sciences Centre, Halifax, Nova Scotia
1999 - 2001	NARSAD Independent Investigator
2001 - 2003	Consultant, Xenon Genetics Research Inc.
2001 - 2004	Chairman, Behavioural Sciences B Committee, Canadian Institutes of Health Research
2002 - 2007	Visiting Professor, 3 rd Medical School, Charles University, Prague, Czech Republic
2002 - 2004	Associate Professor (cross-appointment), Department of Pharmacology, Dalhousie University, Halifax
2003 - 2005	NARSAD Independent Investigator
2003 - 2005	Professor, Department of Psychiatry, Dalhousie University, Halifax, Canada
2004 - 2005	Professor (cross-appointment), Department of Pharmacology, Dalhousie University, Canada
2005 - 2007	Professor (part-time), Department of Psychiatry, Dalhousie University, Halifax, Canada
2005 - 2007	Professor with tenure, Department of Psychiatry, McGill University, Montreal, Canada
2005 - 2007	Canada Research Chair (Tier 1), McGill University, Montreal, Canada
2005 - 2007	Active staff member, McGill University Health Centre (MUHC), Royal Victoria Hospital, Montreal, Canada
2005 - 2021	Adjunct Professor, Department of Psychiatry, School of Medicine, University of Pittsburgh, Pennsylvania, USA
2007 - 2015	Professor (part-time), Department of Psychiatry, 3 rd Medical School, Charles University, Prague, Czech Republic
2008 (May - June)	Visiting Professor, Department of Neuroscience and Clinical Pharmacology, University of Cagliari, Italy

PROFESSIONAL TRAINING

1976 - 1982	Student of Medicine, Charles University, Prague, Czechoslovakia
1982 - 1986	Resident in Psychiatry at the Department of Psychiatry, Faculty Hospital, Charles University, Prague
1984 - 1987	Courses in Mathematics and Computer Science, Charles University, Prague, Czechoslovakia
1984	Rotating internship in Internal Medicine at the Faculty Hospital, Charles University, Prague (3 months)
1985	Rotating internship in Surgery at the Faculty Hospital, Charles University, Prague (3 months)
1986 (April)	Fellowship (certification) in Psychiatry, Psychiatric Postgraduate Institute, Prague, Czechoslovakia
1990 - 1992	Resident in Psychiatry, University of Ottawa

1992 (November)	Specialty certification in Psychiatry, Royal College of Physicians and Surgeons, Canada; FRCPC since May 2000
1993	Research Fellowship (supervised by P. Grof), Department of Psychiatry, University of Ottawa
1994 (May)	Genetic Methods for Medical Researchers (M. Pericak-Vance and J. Haines), Duke University, Durham, NC
1996 (January)	Advanced Linkage Course (J. Ott), Columbia University, New York City, NY
1997 (May)	Statistical Analysis for Genetic Epidemiology (S.A.G.E.) course (R.C. Elston), Case Western University, Cleveland, OH
2002 (April)	Design and Analysis of Gene-expression Studies course (R. Simon and J. Ott), Rockefeller University, New York City, NY
2004 (December)	The Applied Computational Genomics course, National Research Council, Halifax, NS
2010 (August)	Genome Wide Association Analysis course (Erasmus Summer Programme), Rotterdam, Netherlands

SPECIALTY BOARD STATUS

1986	Certification (Fellowship) in Psychiatry, Prague, Czechoslovakia
1988	Medical Council of Canada Evaluating Examination (MCCEE)
1988 - 1990	Academic Licence for Visiting Professors, Ontario (until January 1990)
1990 - 1992	Education Licence, Ontario
1991	Medical Council of Canada Qualifying Examination (MCCQE)
1992	Certification in Psychiatry, Royal College of Physicians and Surgeons of Canada
1993 - 2005	General Licence, Ontario (#60412)
1996	LMCC, Medical Council of Canada (#80632)
1998	General Licence, Nova Scotia (#12049)
2000	Fellow, Royal College of Physicians and Surgeons of Canada
2005	Restricted License, Quebec (#05-383)
2007	Czech Medical Chamber, member

PROFESSIONAL ORGANIZATIONS

1983 - 1989	Czechoslovak Psychiatric Association, member
1987 - 1989	Czechoslovak Psychopharmacological Association, member of the council
1988 - present	European College of Neuropsychopharmacology (ECNP), associate member 1988 - 1994, full member since 1995; www.ecnp.eu
1990 - present	American Society of Human Genetics (ASHG), member; www.ashg.org
1990 - present	International Group for Study of Patients Treated with Lithium (IGSLi), member; www.igsli.org
1992 - present	Canadian Medical Association (CMA), member; www.cma.ca
1994 - present	Canadian Psychiatric Research Foundation (CPRF), Professional Advisory Board member; healthymindscanada.ca
1994 - present	International Society of Psychiatric Genetics (ISPG), member; www.ispg.net
2003 - present	Canadian College of Neuropsychopharmacology (CCNP), member and councillor (2014 - 2016, two-year term); www.ccnp.ca
2006 - present	International Society for Bipolar Disorder (ISBD), member; www.isbd.org , councillor (2012 - 2013, two-year term)
2008 - present	ConLiGen (consortium to study genetics of lithium response), member; www.conligen.org
2011 - present	International Bipolar Foundation, Scientific Advisory Board member; http://www.internationalbipolarfoundation.org

2011 - present	The International College of Neuropsychopharmacology (C.I.N.P.), fellow; www.cinp.org
2012 - present	The American College of Neuropsychopharmacology, fellow; www.acnp.ca . Membership Committee 2021 - 2023.
2015 - present	International Network for the History of Neuropsychopharmacology (INHN), member (by invitation); http://inhn.org/
2018 - present	R-LiNK research network, member of scientific advisory board; https://rlink.eu.com/

HONOURS AND AWARDS

1976 - 1982	Three annual awards (highest possible number) for academic excellence, Charles University School of Medicine
1985	Co-chairman of Session on Clinical - Genetic Studies, IVth World Congress of Biological Psychiatry, Philadelphia, U.S.A.
1988	Young Scientists Award, Bi-Annual Workshop on Schizophrenia, Badgastein, Austria
1990	First prize - Best Research Paper, Department of Psychiatry, University of Ottawa
1990	Physicians Services Inc. Award, University of Ottawa
1991	First prize - Best Research Paper, Department of Psychiatry, University of Ottawa
1992	Young Scientists Award, Bi-Annual Workshop on Schizophrenia, Badgastein, Austria
1993	Member of the International Advisory Committee, The Third World Congress of Psychiatric Genetics, New Orleans, LA
1994	Young Scientists Award, Bi-Annual Workshop on Schizophrenia, Les Diablerets, Switzerland
1994 - 1997	New Faculty Research Fellowship, Ontario Mental Health Foundation
1995	NCDEU Young Investigator Award, NIMH, U.S.A.
1997 - 1999	Intermediate Research Fellowship, Ontario Mental Health Foundation
1998 - 2003	Dalhousie University Clinical Research Scholar
1999 - 2001	NARSAD Independent Investigator Award, National Alliance for Research in Schizophrenia and Affective Disorders, U.S.A.
2003 - 2006	Consultant, Genetic Determinants of Bipolar Disorders, NIMH funded genetic study linked to the STEP-BD program
2003 - 2005	NARSAD Independent Investigator Award, National Alliance for Research in Schizophrenia and Affective Disorders, U.S.A.
2005 - 2007	Canada Research Chair (Tier 1), McGill University
2007 - present	Killam Chair in Mood Disorders, Dalhousie University
2011	Premio Venezia, Italian Chamber of Commerce in Canada; nomination for advancing scientific collaboration between Dalhousie University and University of Cagliari (finalist)
2013	Selected to give The Mogens Schou Memorial Lecture on "Genetics of lithium response and personalized treatment of bipolar disorder" at CINP Thematic Meeting on Pharmacogenomics and Personalised Medicine in Psychiatry, Jerusalem, April 2013
2015	Douglas Utting Prize for research in mood disorders. Douglas Utting Foundation, Canada
2016	Mogens Schou Award for Research. International Society for Bipolar Disorders
2020	Heinz Lehmann Award. Canadian College of Neuropsychopharmacology, Toronto, Canada
2020	Colvin Prize. Brain and Behavior Research Foundation, New York, U.S.A.
2021	Dr. Aidan Stokes Award for Mentorship. Department of Psychiatry, Dalhousie

	University, Halifax, Canada
2021	Max Forman Senior Research Prize. Dalhousie Medical Research Foundation, Halifax, Canada
2021	Medal for contribution to the field of psychiatry. Ministry of Health of the Czech Republic
2025	Faculty of Medicine Award for Career Excellence in Research Mentorship, Dalhousie University

RESEARCH ACTIVITIES

Genetics in psychiatry, Pharmacogenetics of psychotropic drugs, Lithium - pharmacokinetic and pharmacogenetic aspects, Genetic analysis of complex traits, Neurobiology of affective disorders and suicide, Phenomenology and clinical course of primary affective disorders, High-risk studies of bipolar disorder, Outcome and treatment response in bipolar disorder

RESEARCH FUNDING*

1991 - 1992	Family study of affective disorders. University of Ottawa Medical Research Fund, co-investigator, \$22,000
1992 - 1993	Prediction of success of long-term lithium treatment: development of an automated tool. University of Ottawa Medical Research Fund, co-investigator, \$35,000
1993 - 1994	Genetic study of lithium responsive affective disorder: analysis of an association with molecular genetic markers. University of Ottawa Medical Research Fund, principal investigator, \$35,000
1994 - 1995	Utilizing blood group differences to localize the genetic defect in bipolar illness. University of Ottawa Medical Research Fund, principal investigator, \$25,000
1994 - 1997	Genetic linkage in lithium responsive affective disorders. Ontario Mental Health Foundation, New Faculty Research Fellowship, \$120,000
1994 - 1995	Genetic linkage study in lithium responsive affective disorder. Canadian Psychiatric Research Foundation, co-investigator, \$28,000
1995 - 1996	Testing the autosomal recessive hypothesis in primary affective disorders: a replication study. University of Ottawa Medical Research Fund, principal investigator, \$25,000
1995 - 1996	Molecular genetic studies of bipolar disorder. Sequana Therapeutics Inc., grant-in-aid, \$28,000
1996 - 1997	Stability of diagnosis of bipolar disorder: 17-year follow-up study. University of Ottawa Medical Research Fund, principal investigator, \$25,000
1996 - 1997	Genetic investigations of lithium responsive affective disorders. Ontario Mental Health Foundation, principal investigator, \$39,950
1997 - 2000	Genetic studies of lithium responsive bipolar disorder. Medical Research Council, principal investigator, \$326,727
1997 - 1999	Genetic study of lithium responsive bipolar disorder. Ontario Mental Health Foundation, Intermediate Research Fellowship, \$80,000
1998 - 1999	Genetics of suicidal behaviour in bipolar disorder. Canadian Psychiatric Research Foundation, co-investigator, \$35,000
1998 - 2000	The early course of affective disorders in the adolescent offspring of two groups of bipolar parents divided on the basis of lithium response. Ontario Mental Health Foundation, co-investigator, \$60,660
1998 - 2000	Pilot study of G protein levels in transformed lymphocytes in patients with bipolar disorder responsive to lithium (declined). University of Ottawa Medical Research Fund, principal investigator, \$24,655

1998 - 2003	Dalhousie University Clinical Research Scholarship. \$405,000
1999 - 2000	Genetic studies of bipolar disorder. The Dalhousie Medical Research Foundation, principal investigator, \$9,984
1999 - 2001	Genetics of suicidal behaviour in bipolar disorder. Ontario Mental Health Foundation, co-investigator, \$75,000
1999 - 2000	Sun Ultra 5 workstation (equipment grant). The Dalhousie Medical Research Foundation, principal investigator, \$8,367
1999 - 2003	Maritime Bipolar Registry. Zyprexa Research Fund and Glaxo Wellcome (investigator initiated project), co-principal investigator, \$225,000
1999 - 2000	Genetic study of delayed sleep phase syndrome. QEII HSC Research Fund, co-investigator, \$15,000
1999 - 2000	Genetic studies of bipolar disorder. QEII HSC Research Fund, principal investigator, \$34,872.75
1999 - 2001	Lithium response and mechanisms of bipolar disorder. NARSAD Independent Investigator Award, US\$97,670.40
2000 - 2003	Genetic and molecular investigation of bipolar disorder responsive to lithium. Medical Research Council, principal investigator, \$510,378
2000 - 2003	Cognitive function and structural brain correlates in patients with a first episode or recurrent depression. Canadian Institutes of Health Research, co-investigator, \$171,381
2000 - 2002	A longitudinal study of children of bipolar parents. Canadian Psychiatric Research Foundation, co-investigator, \$60,000
2000 - 2002	Phenotypic spectra of bipolar disorder and response to prophylactic treatment. Nova Scotia Health Research Foundation, principal investigator, \$87,300
2001 - 2004	A longitudinal study of the children of bipolar parents. Canadian Institutes of Health Research, co-investigator, \$272,226
2001 - 2004	The Maritime Study of Genetics of Bipolar Disorder. Prince Edward Island Health Research Foundation, co-investigator, \$150,000
2001 - 2003	Bipolar disorder and diabetes mellitus. Funding for a research fellow to work under my supervision. Zyprexa Research Foundation, investigator-initiated proposal, \$120,000
2002	DNA microarray laser scanner (equipment grant). Canadian Institutes of Health Research, co-investigator, \$111,558
2002 - 2006	Double-blind trial of methylene blue for cognitive dysfunction in bipolar disorder. Stanley Foundation, principal investigator, US\$299,400
2002 - 2006	Family study of suicidal behaviour. Canadian Institutes of Health Research, co-investigator, \$513,772
2003 - 2006	Bipolar disorder and diabetes mellitus: genetic and gene-expression study. Zyprexa Research Foundation, investigator-initiated proposal, principal investigator, \$195,600
2003 - 2008	Genetic and molecular investigations of bipolar disorder responsive to lithium. Canadian Institutes of Health Research, principal investigator, \$949,328
2003 - 2005	Dissecting the heterogeneity of bipolar disorder. NARSAD Independent Investigator Award, US\$99,700
2004 - 2007	The influence of genetic vulnerability, early abuse and antidepressant treatment on hippocampal structure and function in major depression. Canadian Institutes of Health Research, co-investigator, \$366,316
2004 - 2009	The evolution of bipolar disorder in youths at risk: A prospective longitudinal study of the clinical course of illness and the associated changes in neurocognitive functioning and gene expression among the offspring of well-characterized bipolar

	parents. Canadian Institutes of Health Research, co-investigator, \$510,000
2004 - 2006	A prospective study of neurocognitive functioning among adolescents at high risk for bipolar disorder. Ontario Mental Health Foundation, co-investigator, \$74,780
2004 - 2006	Cortisol regulation as a potential risk factor for bipolar disorder in high-risk children. Ontario Mental Health Foundation, co-investigator, \$67,550
2004 - 2009	Behavioural and biological risk factors for suicide completion in major depression. Canadian Institutes of Health Research, co-investigator, \$530,705
2005 - 2006	Lithium and the risk of neurodegenerative disorders in Nova Scotia. Department of Psychiatry, Dalhousie University, principal investigator, \$5,000
2005 - 2006	Lithium and the risk of neurodegenerative disorders in Nova Scotia, Capital Health Research Fund, principal investigator, \$15,000
2005 - 2008	Outcome of bipolar disorder in a community-treated sample. The Neuroscience Research Fund at Eli Lilly Canada, investigator-initiated proposal, principal investigator, \$201,745
2005 - 2010	Monoamines, depression and suicidal behaviour: Investigation of gene-gene and gene-environment interactions. Canadian Institutes of Health Research, co-investigator, \$704,185
2005 - 2012	Canada Research Chair (Tier 1) in Mood Disorders, Canada Research Chair Program and McGill University, \$1,660,000
2006 - 2007	CIHR Team in Depression Vulnerability, co-investigator, \$10,000.
2007 - 2012	Oxidative damage and compromised neuronal integrity in bipolar disorder. Canadian Institutes of Health Research, co-investigator, \$636,405
2008 - 2011	Double-blind comparison of lithium and paroxetine in patients with major depression and family history of bipolar disorder or suicide. Nova Scotia Health Research Foundation, co-principal investigator, \$150,000
2008 - 2010	Investigation of the role of different biological systems in the etiology of interferon-alpha induced depression. Canadian Institutes of Health Research, co-principal investigator, \$100,000
2008 - 2016	Phenotypic and molecular heterogeneity of bipolar disorder. Canadian Institutes of Health Research (#64410), principal investigator, \$1,127,335 (originally 2008 - 2013 with a three-year no-cost extension)
2010 - 2015	The early course of bipolar disorder: From genetic risk to illness onset. Canadian Institutes of Health Research, co-investigator, \$1,105,246
2010 - 2011	Anatomical, functional connectivity and gray matter development as risk factors for bipolar disorders - longitudinal MRI study in offspring of bipolar parents. Canadian Institutes of Health Research, co-principal investigator, \$50,000
2010 - 2013	Anatomical, functional connectivity and gray matter development as risk factors for bipolar disorders - longitudinal MRI study in offspring of bipolar parents. Canadian Institutes of Health Research, co-principal investigator, \$416,883
2010 - 2013	Next-generation sequencing approach to identify bipolar disorder genes. Genome Quebec, co-principal investigator, \$1,757,699
2010 - 2013	Functional connectivity and gray matter development as risk factors for bipolar disorders - MRI study in offspring of bipolar parents. Nova Scotia Health Research Foundation, co-investigator and mentor to Dr. T. Hajek, \$150,000
2012 -2015	Opportunities for very early intervention in youth at high risk for severe mental illness. Canadian Institutes of Health Research and Nova Scotia Health Research Foundation Regional Partnership Program, co-principal investigator, \$577,546.
2013 - 2016	Cognitive-behavioural therapy for psychotic-like experiences and basic symptoms in children and adolescents: a pilot randomized-controlled trial. Nova Scotia Health Research Foundation, co-investigator, \$149,773.

2015 - 2018	Treating insulin resistance as a strategy to improve outcome in refractory bipolar disorder: a randomized, double-blind, placebo-control study of the efficacy of metformin in patients with insulin resistance and non-remitting bipolar illness. Stanley Medical Research Institute, co-principal investigator, US\$883,676.
2015 - 2020	Bipolar disorder, type 2 diabetes and the brain. Canadian Institutes of Health Research, co-investigator, \$679,220
2015 - 2016	Families Overcoming Risks and Building Opportunities for Well-being (FORBOW): evaluating pre-emptive early interventions for antecedents to prevent severe mental illness. Canadian Institutes of Health Research, co-investigator, \$100,000
2015 - 2020	Douglas-Bell Canada Brain Bank, an essential platform for brain research in Canada. Brain Canada Foundation, co-investigator, \$1,883,300
2016 - 2022	iPSC-based platform development for major psychiatric disorder modeling and discovery. National Institutes of Health (U19-MH106434)), collaborator, US\$3,200,000
2019 - 2022	Early detection of bipolar disorder and optimized selection of long-term treatment. Genome Canada (Regional Priority Partnership), principal investigator, \$975,000
2019 - 2022	PLOT-BD: Personalization of Long-Term Treatment in bipolar disorder. ERA-PerMed, principal investigator, €1,022,308
2019 - 2024	Clinical and genetic factors in response to treatment of bipolar disorder. Canadian Institutes of Health Research (#166098), principal investigator, \$753,526
2020 - 2021	Impact of the COVID-19 pandemic on Canadians living with mental illness, and their children. Canadian Institutes of Health Research and Research Nova Scotia, co-investigator, \$330,085
2020 - 2021	Brain development and the onset of depression in youth. Canadian Institutes of Health Research, co-investigator, \$100,000
2020 - 2021	Use of an app to determine mental health of population and health providers during COVID. Nova Scotia COVID-19 Health Research Coalition, co-investigator, \$50,000
2020 - 2025	Sleep and circadian rhythm as developmental antecedents to major mood disorders. Canadian Institutes of Health Research, co-principal investigator, \$462,825
2021 - 2025	Identifying patient-specific behaviors to understand illness trajectories and to predict relapses in bipolar disorder using passive sensing and pattern recognition. Canadian Institutes of Health Research, co-investigator, \$566,100
2021 - 2026	Brain development and the onset of depression in youth. Canadian Institutes of Health Research, co-investigator, \$1,090,125
2021 - 2026	Cannabidiol adjunctive therapy for acute bipolar depression: A randomized double-blind placebo-controlled trial. Canadian Institutes of Health Research, co-investigator, \$2,340,900
2021 - 2026	Personalized medicine for bipolar disorder: clinical lithium response as a guide to mode of action and biomarker discovery using human neurons and biofluids. Brain Canada Mental Health Research Program, co-investigator, \$925,000
2022 - 2025	Predicting cardiovascular risk in patients diagnosed with bipolar disorder using clinical and biomarker data: focus on sex-related differences. Canadian Institutes of Health Research, co-investigator, \$370,000
2022 - 2026	Insulin resistance, type 2 diabetes mellitus and brain, cognitive, biochemical and clinical changes over time in bipolar disorders - prospective study. Canadian Institutes of Health Research, co-principal investigator, \$742,050
2022 - 2027	Modelling the risk of suicide in people with bipolar disorder in iPSC-derived neurons. Dalhousie Medical Research Foundation, principal investigator, \$375,000
2023 - 2025	Predicting emergency department visits and hospitalizations among the clients of

	Nova Scotia Mental Health and Addiction central intake assessment. Research Nova Scotia, co-investigator, \$100,000
2023 - 2027	Obesity, brain structure and cognitive functioning in major psychiatric disorders - large scale, multicenter study. Canadian Institutes of Health Research, co-principal investigator, \$685,000
2023 - 2028	Objectively derived biorhythm measures for a staging model: Towards Research Exactness and Appropriate Treatments in Bipolar Disorder (TREAT-BD). Canadian Institutes of Health Research, co-investigator, \$1,181,925
2023 - 2028	Deciphering mitochondrial interplay in bipolar disorder. Canadian Institutes of Health Research, co-investigator, \$1,230,000
2023 - 2028	Genomics of physiological regulations in bipolar affective disorder. Agency for Health Research of the Czech Republic, principal investigator, \$656,000 (CZK 10,797,000)
2025 - 2027	Development and external validation of a method predicting treatment response in bipolar disorder. Nova Scotia Health Authority, principal investigator, \$100,000
2025 - 2030	Early identification of risk for major depressive and bipolar disorders from polygenic scores, family history, and developmental psychopathology. Canadian Institutes of Health Research, co-principal investigator, \$1,212,525

* *clinical trials sponsored by pharmaceutical companies not listed here*

REVIEWS - GRANTS

1994 - present	Canadian Psychiatric Research Foundation, Professional Advisory Board member
1994 - 1999	Medical Research Council of Canada, external, <i>ad hoc</i> internal reviewer
1995 - present	British Columbia Health Research Foundation, external reviewer
1995 - present	Internal Grant Agency, Ministry of Health, Czech Republic, external reviewer
1996 - present	Grant Agency of the Czech Republic, external reviewer
1997 - 1999	Ontario Mental Health Foundation, Grant Committee member
1999 - present	Ontario Mental Health Foundation, external reviewer
1999 - 2001	Medical Research Council of Canada / Canadian Institutes of Health Research, Behavioural Sciences B Committee member
2001 - 2004	Canadian Institutes of Health Research, chair of Behavioural Sciences B Grant Committee
2001	Swiss National Science Foundation, external reviewer
2001 - 2004	Dalhousie Medical Research Foundation, member of Scientific Advisory Committee
2002 - present	The Israel Science Foundation, external reviewer
2002 - present	The Wellcome Trust, external reviewer
2003 - present	Kentucky Science and Engineering Foundation, external reviewer
2004 - present	Canadian Institutes of Health Research, external reviewer, <i>ad hoc</i> internal reviewer, and <i>ad hoc</i> chair
2004 - present	National Institute of Mental Health, <i>ad hoc</i> internal reviewer
2005 - present	Canada Research Chairs program, external reviewer
2005 - present	Michael Smith Foundation for Health Research, external reviewer
2006	Health Research Board, Ireland, external reviewer
2006	Medical Research Council, UK, external reviewer
2011	Foundation for Polish Science, external reviewer
2011	French National Research Agency, external reviewer
2012	The Netherlands Organisation for Health Research and Development (ZonMw)
2013	National Health and Medical Research Council, Australia. John Cade Fellowship in Mental Health Research, external reviewer
2014 - present	The Ministry of Health, Czech Republic

PATENTS AND COPYRIGHTS

- 1999 Allelic variants of the phospholipase C gamma 1 gene associated with bipolar disorder. Rouleau G, Turecki G, **Alda M**, Grof P. Patent, Canada, PCTCA98
- 2002 Retrospective Criteria of Long-Term Treatment Response in Research Subjects with Bipolar Disorder. Rating scale, copyright

JOURNALS - EDITORIAL ACTIVITY

- 1997 - present Psychiatrie (in Czech), member of editorial board
- 2001 Bipolar Disorders, guest editor of a special issue on genetics of bipolar disorder
- 2001 - present Bipolar Disorders, member of editorial board
- 2003 Canadian Journal of Psychiatry, guest editor of a thematic issue on affective disorders
- 2007 - present Open Psychiatry Journal, member of editorial board
- 2007 - present Open Neuroscience Journal, member of editorial board
- 2010 - present Depression Research and Treatment, member of editorial board
- 2010 - present Pharmacopsychiatry, member of editorial board
- 2012 - 2014 Journal of Psychiatry and Neuroscience, associate editor (3-year term)
- 2012 - present International Journal of Bipolar Disorders, member of editorial board

JOURNALS - REVIEWS

American Journal of Medical Genetics (Neuropsychiatric Genetics), American Journal of Psychiatry, Archives of General Psychiatry (JAMA Psychiatry), Biological Psychiatry, Bipolar Disorders, Brain Research, British Journal of Psychiatry, Canadian Journal of Psychiatry, Expert Review of Neurotherapeutics, Future Neurology, International Journal of Neuropsychopharmacology, Journal of Affective Disorders, Journal of Neural Transmission, Journal of Psychiatry and Neuroscience, Journal of Psychopharmacology, The Lancet, Molecular Psychiatry, Neuropsychopharmacology, NeuroReport, Neuroscience & Biobehavioral Reviews, Neuroscience Letters, The Pharmacogenomics Journal, Pharmacopsychiatry, Psychiatry Research

TEACHING

- 1984 - 1988 Undergraduate teaching (seminars and tutorial groups), Charles University
- 1984 - 1988 Consultant and supervisor on student research projects, Charles University
- 1989 - 1998 Genetics of Affective Disorders, Core Teaching Program, University of Ottawa
- 1990 - 1998 Clinical supervision and bedside teaching of medical students, interns and residents, University of Ottawa
- 1992 - 1999 Genetics of Affective Disorders, Review Course in Psychiatry, University of Ottawa
- 1993 - 1998 Psychiatry as Science, Core Teaching Program, University of Ottawa
- 1993 - present Supervision of resident research projects
- 1993 - present Supervision of summer students
- 1994 - 1998 Research Mentorship Program, University of Ottawa
- 1994 - 1998 Seminar on research methodology for residents, University of Ottawa
- 1995 - 1999 Member of a PhD committee for Dr. G. Turecki, McGill University
- 1995 - present Supervision/co-supervision of graduate students (G. Turecki, O. Libiger, F. Mamdani, A. Ortiz, E. Gunde, M. Ruzickova, C. Cruceanu, M. Manchia, W. Stone, A. Nunes, K. Scott)
- 1995 - present Supervision/co-supervision of research and clinical fellows (Dr. P. Cavazzoni, Dr. A. Duffy, Dr. D. Deshauer, Dr. M. Ruzickova, Dr. P. Zvolsky,

	Dr. I. Jaitovich-Groisman, Dr. T. Hajek, Dr. A. Ortiz, Dr. M. Manchia)
1996 - 1998	Phenomenology and Clinical Course of Affective Disorders, Core Teaching Program, University of Ottawa
1997 - 1998	Pharmacotherapy of Bipolar Illness, Core Teaching Program, University of Ottawa
1998 - present	Undergraduate teaching and supervision of clerks and residents, Dalhousie University, Department of Psychiatry
1999 - present	External examiner and member of graduate-student committees (I do not keep a detailed record)
1999 - 2000	Genetic research methods, intensive course, Dalhousie University
2000 - 2002	Advisor/mentor to Dr. A. Duffy (NARSAD Junior Investigator)
2007 - 2009	Advisor/mentor to Dr. T. Hajek (NARSAD Junior Investigator)
2007 - present	Acute and long-term treatment of bipolar disorder. PGY2 teaching. Department of Psychiatry, Dalhousie University
2008 - present	Mentor to Dr. Alessio Squassina and Dr. Mirko Manchia at University of Cagliari and at Dalhousie University
2008 - present	Lectures and seminars for students of medicine, Department of Psychiatry, 3 rd Medical School, Charles University, Prague
2012 - 2014	Advisor/mentor to Dr. C. Calkin (NARSAD Junior Investigator)
2018 - present	Psychiatric Genetics. MSc in Psychiatry teaching
2021 - present	Mentor to Dr. A. Nunes (Dalhousie University Research Colloquium Program)

ADMINISTRATIVE POSITIONS, COMMITTEES

1994 - 1997	Medical Audit Committee, member, Royal Ottawa Hospital
1995 - 1998	Research Ethics Committee, member, Royal Ottawa Hospital
1995 - 1998	Patient Care Committee, Affective Disorders Service, Royal Ottawa Hospital
1996 - 1997	Acting Head, Affective Disorders Service, Royal Ottawa Hospital
1996 - 1997	Specialty Program Steering Committee, member, Royal Ottawa Hospital
1998 - 2005	Research Committee, Department of Psychiatry, Dalhousie University
1999 - 2003	Acting Head, Bipolar Clinic, QEII HSC, Halifax
2003	Selection and Review Committee, Division of Child Psychiatry, Dalhousie University
2005	External Reviewer of Mood Disorders Program, University of Western Ontario, London, ON
2007 - present	Executive Committee, member, Department of Psychiatry, Dalhousie University (two terms 2007 - 2010 and 2014 - present)
2007 - present	Research Committee, member, Department of Psychiatry, Dalhousie University
2008 - 2009	Acting Director of Research, Department of Psychiatry, Dalhousie University
2008 - 2009	Research Advisory Committee, Capital District Health Authority, Halifax, NS
2008, 2010 - 2013	Human Resources Committee, Department of Psychiatry, Dalhousie University
2008 - 2012	Executive Committee, Brain Repair Centre, Dalhousie University
2010 - 2017	Clinician Investigator Program Resident Training Committee, Faculty of Medicine, Dalhousie University
2011	World Congress of Psychiatric Genetics. Scientific Program Committee, member
2020	World Congress of Psychiatric Genetics, Scientific Program Committee, member

PUBLICATIONS

Peer reviewed papers

1. **Alda M**, Dvorakova M, Posmurova M, Balikova M, Zvolsky P, Filip V: Pharmacogenetic study with diazepam in twins. *Neuropsychobiology* 17: 4 - 8, 1987.

2. Cihak F, **Alda M**: Testing the pharmacokinetic properties of Contemmol Spofa (in Czech). Czechoslovak psychiatry 84: 84 - 89, 1988.
3. **Alda M**: Method for prediction of lithium serum levels. Biological Psychiatry 24: 218 - 224, 1988.
4. **Alda M**: Predicting lithium levels - response. Biological Psychiatry 24: 952-953, 1988.
5. **Alda M**, Pavlovsky P, Kristofikova Z, Dufkova D: Pharmacokinetic properties of haloperidol decanoate. Activitas nervosa superior (Prague) 31: 38 - 39, 1989.
6. Papezova H, David I, **Alda M**, Soucek R: Isofloxythepine in an open study - prediction of the therapeutic efficacy. Activitas nervosa superior (Prague) 31: 121 - 122, 1989.
7. **Alda M**, Dvorakova M, Zvolsky P, Papezova H, Posmurova M: Genetic aspects in chronic schizophrenia: Morbidity risks and contributory factors. Schizophrenia Research 2: 339 - 344, 1989.
8. Filip V, **Alda M**, David I, Topinka J, Kristofikova Z, Dvorakova J, Sztaniszlav, Olajos S, Albrecht V: Neuroendocrine response to clomipramine and desipramine - the evidence of partial determination by heredity and sex. Neuropsychobiology 21: 111 - 116, 1989.
9. **Alda M**: More on prediction of lithium levels or concentrations - response. Biological Psychiatry 26: 217 - 218, 1989.
10. Dvorakova M, Zvolsky P, **Alda M**: Laterality in schizophrenics and their relatives--a trait marker? (in Czech) Sbornik Lekarsky. 92: 370 - 376, 1990.
11. **Alda M**, Zvolsky P, Dvorakova M, Papezova H: Study of chronic schizophrenics with positive and negative family histories of psychosis. Acta Psychiatrica Scandinavica 83: 334 - 337, 1991.
12. Bakish D, Wiens A, Ellis J, **Alda M**, Lapierre Y: A double-blind placebo-controlled comparison of moclobemide, amitriptyline in the treatment of depression. Canadian Journal of Psychiatry 37 (Suppl. 1): 12 - 17, 1992.
13. Grof P, **Alda M**, Grof E, Fox D, Cameron P: The challenge of predicting response to lithium stabilization. The importance of patient selection. British Journal of Psychiatry 163: (Suppl. 21): 16 - 19, 1993.
14. Grof P, **Alda M**, Grof E, Zvolsky P, Walsh M: Lithium response and genetics of affective disorders. Journal of Affective Disorders 32: 85 - 95, 1994.
15. **Alda M**, Grof P, Grof E, Zvolsky P, Walsh M: Mode of inheritance in lithium responsive affective disorders. Acta Psychiatrica Scandinavica 90: 304 - 310, 1994.
16. Ahrens B, Muller-Oerlinghausen B, Schou M, Wolf T, **Alda M**, Grof E, Grof P, Lenz G, Simhandl C, Thau K, Vestergaard P, Wolf R, Moller H: Excess cardiovascular and suicide mortality of affective disorders may be reduced by lithium prophylaxis. Journal of Affective Disorders 33: 67 - 75, 1995.
17. Grof P, **Alda M**, Ahrens B: Clinical course of affective disorders: were Emil Kraepelin and Jules Angst wrong? Psychopathology 28 (Suppl. 1): 73 - 80, 1995.
18. **Alda M**, Ahrens B, Lit W, Dvorakova M, Labelle A, Zvolsky P, Jones B: Age of onset in familial and sporadic schizophrenia. Acta Psychiatrica Scandinavica 93: 447 - 450, 1996.
19. Turecki G, **Alda M**, Grof P, Grof E, Martin R, Cavazzoni P, Duffy A, Maciel P, Rouleau G: No association between chromosome 18 markers and lithium responsive affective disorders. Psychiatry Research 63: 17 - 23, 1996.
20. Cavazzoni P, **Alda M**, Turecki G, Grof P, Grof E, Duffy A, Rouleau G: Lithium-responsive affective disorders: no association with the tyrosine hydroxylase gene. Psychiatry Research 64: 91 - 96, 1996.
21. **Alda M**: Bipolar disorder: from families to genes. Canadian Journal of Psychiatry 42: 378 - 387, 1997.
22. **Alda M**, Grof E, Cavazzoni P, Duffy A, Martin R, Ravindran L, Grof P: Autosomal recessive inheritance in responders to lithium prophylaxis? Journal of Affective Disorders 44: 153 - 157, 1997.
23. Duffy A, **Alda M**^{*}, Kutcher S, Fusee C, Grof P: Psychiatric symptoms and syndromes among adolescent children of parents with lithium-responsive or lithium-nonresponsive bipolar disorder. American Journal of Psychiatry 155: 431 - 433, 1998.
24. Martin R, **Alda M**, MacLean C: Parental genotype reconstruction: applications of haplotype relative risk to incomplete parental data. Genetic Epidemiology 15: 471 - 490, 1998.
25. **Alda M**, Grof P, Grof E: MN blood groups and bipolar disorder: evidence for genotypic association

- and Hardy-Weinberg disequilibrium. *Biological Psychiatry* 44: 361 - 363, 1998.
26. Duffy A, Grof P, Grof E, Zvolsky P, **Alda M***: Evidence supporting the independent inheritance of primary affective disorders and primary alcoholism in the families of bipolar patients divided on the basis of response to long term lithium prophylaxis. *Journal of Affective Disorders* 50: 91 - 96, 1998.
 27. Turecki G, Grof P, Cavazzoni P, Duffy A, Grof E, Ahrens B, Berghöfer A, Müller-Oerlinghausen B, Dvoráková M, Libigerová E, Vojtechovský M, Zvolský P, Joobar R, Nilsson A, Prochazka H, Licht RW, Rasmussen NA, Schou M, Vestergaard P, Holzinger A, Schumann C, Thau K, Rouleau GA, **Alda M***: Evidence for a role of phospholipase c- γ 1 in the pathogenesis of bipolar disorder. *Molecular Psychiatry* 3: 534 - 538, 1998.
 28. **Alda M**: Pharmacogenetics of lithium response in bipolar disorder. *Journal of Psychiatry and Neuroscience* 24: 154 - 158, 1999.
 29. Joobar R, Benkelfat C, Brisebois K, Toulouse A, Turecki G, Lal S, Bloom D, Labelle A, Lalonde P, Fortin D, **Alda M**, Palmour R, Rouleau GA: T102C polymorphism in the 5HT2A gene and schizophrenia: relation to phenotype and drug response variability. *Journal of Psychiatry and Neuroscience* 24: 141 - 146, 1999.
 30. Joobar R, Benkelfat C, Brisebois K, Toulouse A, Lafreniere R, Turecki G, Lal S, Bloom D, Labelle A, Lalonde P, Fortin D, **Alda M**, Palmour R, Rouleau GA: Lack of association between hSKCa3 channel gene CAG polymorphism and schizophrenia. *American Journal of Medical Genetics* 88: 154 - 157, 1999.
 31. Deshauer D, Grof E, **Alda M**, Grof P: Patterns of DST positivity in remitted affective disorders. *Biological Psychiatry* 45: 1023 - 1029, 1999.
 32. **Alda M**, Cavazzoni P, Grof P: Treatment response to prophylactic lithium and family history of psychiatric disorders (letter to the editor). *Biological Psychiatry* 45: 1078, 1999.
 33. Turecki G, Grof P, Cavazzoni P, Duffy A, Grof E, Ahrens B, Berghöfer A, Müller-Oerlinghausen B, Dvoráková M, Libigerová E, Vojtechovský M, Zvolský P, Joobar R, Nilsson A, Prochazka H, Licht RW, Rasmussen NA, Schou M, Vestergaard P, Holzinger A, Schumann C, Thau K, Rouleau GA, **Alda M***: MAO-A: Association and linkage studies with lithium responsive bipolar disorder. *Psychiatric Genetics* 9: 13 - 16, 1999.
 34. Turecki G, **Alda M**, Grof P, Joobar R, Cavazzoni P, Duffy A, Grof E, Ahrens B, Berghöfer A, Müller-Oerlinghausen B, Dvoráková M, Libigerová E, Vojtechovský M, Zvolský P, Nilsson A, Prochazka H, Licht RW, Rasmussen NA, Schou M, Vestergaard P, Holzinger A, Schumann C, Thau K, Rouleau GA: Polyglutamine tracts: no evidence of a major role in bipolar disorder. *Molecular Psychiatry* 4: 220 - 221, 1999.
 35. Turecki G, Grof P, Cavazzoni P, Duffy A, Grof E, Martin R, Joobar R, Rouleau GA, **Alda M***: Lithium responsive bipolar disorder, parental origin and chromosome 18: a linkage study. *American Journal of Medical Genetics*, 88: 411 - 415, 1999.
 36. Turecki G, Briere R, Dewar K, Antonetti T, Lesage AD, Seguin M, Chawky N, Vanier C, **Alda M**, Joobar R, Benkelfat C, Rouleau GA: Prediction of level of serotonin 2A receptor binding by serotonin receptor 2A genetic variation in postmortem brain samples from subjects who did or did not commit suicide. *American Journal of Psychiatry*, 156: 1456 - 1458, 1999.
 37. Joobar R, Benkelfat C, Toulouse A, Lafreniere RGA, Lal S, Ajroud S, Turecki G, Bloom D, Labelle A, Lalonde P, **Alda M**, Morgan K, Palmour R, Rouleau GA: Analysis of 14 CAG repeat - containing genes in schizophrenia. *American Journal of Medical Genetics* 88: 694 - 699, 1999.
 38. Turecki G, Rouleau GA, **Alda M***: Family density of alcoholism and linkage information in the analysis of GAW11 problem 1. *Genetic Epidemiology* 17 (Suppl 1): S361 - S366, 1999.
 39. **Alda M**: Genetics of bipolar disorder. *Revista Brasileira de Psiquiatria* 21 (Suppl. 2): 14 - 17, 1999.
 40. Grof P, **Alda M**: Discrepancies in the efficacy of lithium (letter to the editor). *Archives of General Psychiatry* 57: 191, 2000.
 41. **Alda M**, Turecki G, Grof P, Cavazzoni P, Duffy A, Grof E, Ahrens B, Berghöfer A, Müller-Oerlinghausen B, Dvoráková M, Libigerová E, Vojtechovský M, Zvolský P, Joobar R,

- Nilsson A, Prochazka H, Licht RW, Rasmussen NA, Schou M, Vestergaard P, Holzinger A, Schumann C, Thau K, Rouleau GA: Association and linkage studies of CRH and PENK genes in bipolar disorder: a collaborative IGS Li study. *American Journal of Medical Genetics* 96: 178 - 181, 2000.
42. Deshauer D, Albuquerque J, **Alda M**, Grof P: Seizures caused by possible interaction between olanzapine and clomipramine (letter). *Journal of Clinical Psychopharmacology* 20: 283 - 284, 2000.
 43. Turecki G, **Alda M**, Grof P, Lafrenière R, Joober R, Cavazzoni P, Duffy A, Grof E, Ahrens B, Berghöfer A, Müller-Oerlinghausen B, Dvoráková M, Libigerová E, Vojtechovský M, Zvolský P, Nilsson A, Prochazka H, Licht RW, Rasmussen NA, Schou M, Vestergaard P, Holzinger A, Schumann C, Thau K, Rouleau GA: Polyglutamine coding genes in bipolar disorder. Investigation of selected candidate loci. *Journal of Affective Disorders* 58: 63 - 68, 2000.
 44. **Alda M**, Hrdina P: Distribution of platelet 5-HT_{2A} receptor densities in suicidal and non-suicidal depressives and control subjects. *Psychiatry Research* 94: 273 - 277, 2000.
 45. Duffy A, Turecki G, Grof P, Cavazzoni P, Grof E, Joober R, Ahrens B, Berghöfer A, Müller-Oerlinghausen B, Dvoráková M, Libigerová E, Vojtechovský M, Zvolský P, Nilsson A, Licht RW, Rasmussen NA, Schou M, Vestergaard P, Holzinger A, Schumann C, Thau K, Rouleau GA, **Alda M***: Association and linkage studies of candidate genes involved in GABAergic neurotransmission in lithium responsive bipolar disorder. *Journal of Psychiatry and Neuroscience* 25: 353 - 358, 2000.
 46. Duffy A, Grof P, Robertson C, **Alda M***: The implications of genetic studies of major mood disorders for clinical practice. *Journal of Clinical Psychiatry*, 61: 630 - 637, 2000.
 47. Turecki G, Briere R, Dewar K, Lesage AD, Seguin M, Chawky N, Vanier C, **Alda M**, Joober R, Benkelfat C, Rouleau GA: Serotonin 2A receptor polymorphisms and [³H]ketanserin binding - Dr. Turecki and colleagues reply (letter to editor). *American Journal of Psychiatry* 157: 1710 - 1711, 2000.
 48. Grof P, Robbins W, **Alda M**, Berghöfer A, Vojtechovský M, Nilsson A, Robertson C: Protective effect of pregnancy in women with bipolar disorder. *Journal of Affective Disorders* 61: 31 - 39, 2000.
 49. **Alda M**, Grof P, Ravindran L, Cavazzoni P, Duffy A, Grof E, Zvolský P, Wilson J: Anticipation in bipolar illness: is age at onset a valid criterion? *American Journal of Medical Genetics* 96: 804 - 807, 2000.
 50. Turecki G, Briere R, Dewar K, D Lesage A , Seguin M, Chawky N, Vanier C, **Alda M**, Joober R, Benkelfat C, Rouleau GA: Serotonin 2A receptor polymorphisms and [³H]ketanserin binding - Dr. Turecki and colleagues reply (letter to editor). Dr. Turecki and colleagues reply. *American Journal of Psychiatry* 158:148, 2001.
 51. Turecki G, Zhu Z, Tzenova J, Lesage A, Seguin M, Tousignant M, Chawky N, Vanier C, Lipp O, **Alda M**, Joober R, Benkelfat C, Rouleau GA: TPH and suicidal behaviour: a study in suicide completers. *Molecular Psychiatry* 6: 98 - 102, 2001.
 52. Ftouhi-Paquin N, **Alda M**, Grof P, Chretien N, Rouleau G, Turecki G: Identification of three polymorphisms in the translated region of PLC- γ 1 and their investigation in lithium responsive bipolar disorder. *American Journal of Medical Genetics (Neuropsychiatric Genetics)* 105: 301 - 305, 2001.
 53. **Alda M**, Keller D, Grof E, Turecki G, Cavazzoni P, Duffy A, Rouleau GA, Grof P, Young LT: Is lithium response related to G(S)alpha levels in transformed lymphoblasts from subjects with bipolar disorder? *Journal of Affective Disorders* 65: 117 - 122, 2001.
 54. Kopala LC, Good KP, Morrison K, Bassett AS, **Alda M**, Honer WG: Impaired olfactory identification in relatives of patients with familial schizophrenia, *American Journal of Psychiatry* 158: 1286 - 1290, 2001.
 55. Turecki G, Grof P, Grof E, D'Souza V, Lebus L, Marineau C, Cavazzoni P, Duffy A, Bétard C, Zvolský P, Brewer C, Hudson TJ, Rouleau GA, **Alda M***: Mapping susceptibility genes for bipolar disorder: a pharmacogenetic approach based on excellent response to lithium. *Molecular Psychiatry* 6: 570 - 578, 2001.

56. **Alda M**: Genetic factors and treatment of mood disorders. *Bipolar Disorders* 3: 318 - 324, 2001.
57. Nimgaonkar VL, **Alda M**. Introduction: special issue on the genetics of bipolar disorder. *Bipolar Disorders* 3: 267 - 269, 2001.
58. Duffy A, Grof P, Kutcher SP, Robertson C, **Alda M***: Measures of attention and hyperactivity among the children of bipolar parents. *Journal of Affective Disorders* 67:159 - 165, 2001.
59. Mansour HA, **Alda M**, Nimgaonkar VL: Pharmacogenetics of bipolar disorder. *Current Psychiatry Reports* 4: 117 - 123, 2002.
60. Ruzickova M, **Alda M***: Antidepressants in bipolar depression: when less is more. *Journal of Psychiatry and Neuroscience* 27: 312, 2002.
61. Grof P, Robbins W, **Alda M**, Berghoefer A, Robertson C: Protective effect of pregnancy in women with bipolar disorder (letter). *Journal of Affective Disorders* 72: 103, 2002.
62. Grof P, Duffy A, Cavazzoni P, Grof E, Garnham J, MacDougall M, O'Donovan C, **Alda M***: Is response to prophylactic lithium a familial trait? *Journal of Clinical Psychiatry* 63: 942 - 947, 2002.
63. Duffy A, **Alda M**, Kutcher S, Cavazzoni P, Robertson C, Grof E, Grof P: A prospective study of the offspring of bipolar parents responsive and non-responsive to lithium treatment. *Journal of Clinical Psychiatry*, 63: 1171 - 1178, 2002.
64. **Alda M**: Pharmacogenetic aspects of bipolar disorder. *Pharmacogenomics* 4: 35 - 40, 2003.
65. Passmore M, Garnham J, Duffy A, MacDougall M, Munro A, Slaney C, Teehan A, **Alda M***: Phenotypic spectra of bipolar disorder in responders to lithium versus lamotrigine. *Bipolar Disorders* 5: 110 - 114, 2003.
66. Segurado R, Detera-Wadleigh SD, Levinson DF, Lewis CM, Gill M, Nurnberger JI, Craddock N, DePaulo JR, Baron M, Gershon ES, Ekholm J, Cichon S, Turecki G, Claes S, Kelsoe JR, Schofield PR, Badenhof RF, Morissette J, Coon H, Blackwood D, Curtis D, McInnes LA, Foroud T, Edenberg H, Reich T, Rice J, Goate A, McInnis M, McMahon FJ, Badner JA, Goldin LR, Bennett P, Willour V, Zandi P, Liu J, Gilliam C, Juo SH, Berrettini WH, Yoshikawa T, Peltonen L, Lönngqvist J, Nöthen MM, Schumacher J, Windemuth C, Rietschel M, Propping P, **Alda M**, Grof P, Rouleau GA, Del-Favero J, VanBroeckhoven C, Mendlewicz J, Adolfsson R, Spence MA, Luebbert H, Adams LJ, Donald JA, Mitchell PB, Barden N, Shink E, Byerley W, Muir W, Visscher P, Macgregor S, Gurling H, Kalsi G, McQuillin A, Escamilla MA, Reus VI, Leon P, Freimer NB, Ewald H, Kruse TA, Mors O, Radhakrishna U, Blouin JL, Antonarakis SE, Akarsu N: Genome scan meta-analysis of schizophrenia and bipolar disorder. Part III: bipolar disorder. *American Journal of Human Genetics* 73: 49 - 62, 2003
67. Ruzickova M, Slaney C, Garnham J, **Alda M***: Clinical features of bipolar disorder with and without co-morbid diabetes mellitus. *Canadian Journal of Psychiatry* 48: 458 - 461, 2003.
68. Deshauer D, Grof P, Duffy A, **Alda M**, Grof E, Albuquerque J: The cortisol awakening response in bipolar illness: a pilot study. *Canadian Journal of Psychiatry* 48: 462 - 466, 2003.
69. **Alda M**, Bauer M: Needed: clinical research in mood disorders. *Canadian Journal of Psychiatry* 48: 431 - 432, 2003.
70. Marino C, Giorda R, Vanzin L, Molteni M, Lorusso ML, Nobile M, Baschiroto C, **Alda M**, Battaglia M: No evidence for association and linkage disequilibrium between dyslexia and markers of four dopamine-related genes. *European Child & Adolescent Psychiatry* 12: 198 - 202, 2003.
71. Ruzickova M, Turecki G, **Alda M***: Pharmacogenetics and mood stabilization in bipolar disorder. *American Journal of Medical Genetics* 123C: 18 - 25, 2003.
72. Mamdani F, Jaitovich Groisman I, **Alda M**, Turecki G: Long-term responsiveness to lithium as a pharmacogenetic outcome variable: treatment and etiologic implications. *Current Psychiatry Reports* 5: 484 - 492, 2003
73. Bauer M, **Alda M**, Priller J, Young LT, The International Group For The Study Of Lithium Treated Patients (IGSLi): Implications of the neuroprotective effects of lithium for the treatment of bipolar and neurodegenerative disorders. *Pharmacopsychiatry* 36 (Suppl 3): 250 - 254, 2003.
74. Sun X-J, Young LT, Wang J-F, Grof P, Turecki G, Rouleau GA, **Alda M***: Identification of lithium

regulated genes in cultured lymphoblasts of lithium responsive subjects with bipolar disorder. *Neuropsychopharmacology* 29: 799 - 804, 2004.

75. **Alda M**: The phenotypic spectra of bipolar disorder. *European Neuropsychopharmacology* 14 (Suppl 2): S94 - 99, 2004.
76. Mamdani F, Groisman IJ, **Alda M**, Turecki G: Pharmacogenetics and bipolar disorder. *Pharmacogenomics* 4: 161 - 170, 2004.
77. Demidenko N, Grof P, **Alda M**, Deshauer D, Duffy A: The MMPI as a measure of residual and subthreshold psychopathology among the affected offspring of bipolar lithium responders and lithium non-responders. *Bipolar Disorders* 6: 323 - 328, 2004.
78. MacQueen GM, Grof P, **Alda M**, Marriott M, Young LT, Duffy A: Backward masking task performance in previously ill versus never ill children of parents with lithium responsive bipolar disorder. *Bipolar Disorders* 6: 374 - 378, 2004.
79. Hajek T, Slaney C, Garnham J, Ruzickova M, Passmore M, **Alda M***: Clinical correlates of current level of functioning in a community sample of bipolar patients. *Bipolar Disorders* 7: 286 - 291, 2005.
80. **Alda M**, Grof P, Rouleau GA, Turecki G, Young LT: Investigating responders to lithium prophylaxis as a strategy for mapping susceptibility genes for bipolar disorder. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 29: 1038 - 1045, 2005.
81. Yatham LN, Kennedy SH, O'Donovan C, Parikh S, Macqueen G, McIntyre R, Sharma V, Silverstone P, **Alda M**, Baruch P, Beaulieu S, Daigneault A, Milev R, Young LT, Ravindran A, Schaffer A, Connolly M, Gorman CP: Canadian Network for Mood and Anxiety Treatments (CANMAT) guidelines for the management of patients with bipolar disorder: consensus and controversies. *Bipolar Disorders* 7 (Suppl 3): 5 - 69, 2005.
82. MacQueen GM, Hajek T, **Alda M***: The phenotypes of bipolar disorder: relevance for genetic investigations. *Molecular Psychiatry* 10: 811 - 826, 2005.
83. Hajek T, Carrey N, **Alda M***: Neuroanatomical abnormalities as risk factors for bipolar disorder. *Bipolar Disorders* 7: 393 - 403, 2005.
84. Dumais A, Lesage AD, **Alda M**, Rouleau G, Dumont M, Chawky N, Roy M, Mann JJ, Benkelfat C, Turecki G: Risk factors for suicide completion in major depression: a case-control study of impulsive and aggressive behaviours in men. *American Journal of Psychiatry*. 162: 2116 - 2124, 2005.
85. Krüger S, **Alda M**, Young LT, Goldapple K, Parikh S, Mayberg HS: Risk and resilience markers in bipolar disorder: brain responses to emotional challenge in bipolar patients and their healthy siblings. *American Journal of Psychiatry* 163: 257 - 264, 2006.
86. Lopez de Lara C, Dumais A, Rouleau GA, Lesage A, Dumont M, Chawky N, **Alda M**, Benkelfat C, Turecki G: STin2 variant and family history of suicide as significant predictors of suicide completion in major depression. *Biological Psychiatry*, 59: 114 - 120, 2006.
87. Hajek T, Kopecek M, **Alda M**, Hoschl C: Prospective study of hippocampal volume and function in human subjects treated with corticosteroids. *European Psychiatry* 21: 123 - 128, 2006.
88. Hajek T, Libiger J, Janovská D, Hájek P, Höschl C, **Alda M**: Clinical and demographic characteristics of psychiatric patients seropositive for *Borrelia burgdorferi*. *European Psychiatry*, 21: 118 - 122, 2006.
89. Bauer M, Rasgon N, Grof P, Glenn T, Lapp M, Marsh W, Munoz R, Suwalska A, Baethge C, Bschor T, **Alda M**, Whybrow PC: Do antidepressants influence mood patterns? A naturalistic study in bipolar disorder. *European Psychiatry* 21: 262 - 269, 2006.
90. Glenn T, Whybrow PC, Rasgon N, Grof P, **Alda M**, Baethge C, Bauer M: Approximate entropy of self-reported mood prior to episodes in bipolar disorder. *Bipolar Disorders* 8: 424 - 429, 2006.
91. McGirr A, Seguin M, Renaud J, Benkelfat C, **Alda M**, Turecki G: Gender and risk factors for suicide: evidence for heterogeneity in predisposing mechanisms in a Psychological Autopsy Study. *Journal of Clinical Psychiatry* 67: 1612 - 1617, 2006.
92. Bauer M, Grof P, Rasgon NL, Marsh W, Munoz RA, Sagduyu K, **Alda M**, Quiroz D, Glenn T, Baethge C, Whybrow PC: Self-reported data from patients with bipolar disorder: Impact on minimum episode length for hypomania. *Journal of Affective Disorders* 96: 101 - 105, 2006.

93. Bauer M, Grof P, Rasgon N, Glenn T, **Alda M**, Priebe S, Ricken R, Whybrow PC: Mood charting and technology: New approach to monitoring patients with mood disorders. *Current Psychiatry Reviews* 2: 423 - 429, 2006.
94. McGirr A, Renaud J, Seguin M, **Alda M**, Benkelfat C, Lesage A, Turecki G: An examination of DSM-IV depressive symptoms and risk for suicide completion in major depressive disorder: a psychological autopsy study. *Journal of Affective Disorders* 97: 203 - 209, 2007.
95. Mamdani F, Sequeira A, **Alda M**, Grof P, Rouleau G, Turecki G: No association between the PREP gene and lithium responsive bipolar disorder. *BMC Psychiatry* 7: 9, 2007.
96. Cavazzoni P, Grof P, Berghöfer A, Müller-Oerlinghausen B, Ahrens B, Duffy A, Grof E, Zvolský P, Hajek T, **Alda M***: Heterogeneity of the risk of suicidal behaviour in bipolar-spectrum disorders. *Bipolar Disorders* 9: 377 - 385, 2007.
97. Bauer M, Glenn T, Grof P, Pfennig A, Rasgon NL, Marsh W, Munoz RA, Sagduyu K, **Alda M**, Quiroz D, Sasse J, Whybrow PC: Self-reported data from patients with bipolar disorder: Frequency of brief depression. *Journal of Affective Disorders* 101: 227 - 233, 2007.
98. Lopez de Lara C, Brezo J, Rouleau GA, Lesage A, Dumont M, Chawky N, **Alda M**, Benkelfat C, Turecki G: Effect of tryptophan hydroxylase-2 (TPH2) gene variants on suicide risk in major depression. *Biological Psychiatry* 62: 72 - 80, 2007.
99. Duffy A, **Alda M**, Trinneer A, Demidenko N, Grof P, Goodyer IM: Temperament, life events and psychopathology among the offspring of bipolar parents. *European Child & Adolescent Psychiatry* 16: 222 - 228, 2007.
100. Duffy A, **Alda M**, Milin R, Grof P: A consecutive series of treated affected offspring of parents with bipolar disorder: Is response associated with the clinical profile? *Canadian Journal of Psychiatry* 52: 369 - 376, 2007.
101. Hahn M, Hajek T, **Alda M**, Gorman JM: Psychosis induced by low-dose bupropion: sensitization of dopaminergic system by past cocaine abuse? *Journal of Psychiatric Practice* 13: 336 - 338, 2007.
102. Garnham J, Munro A, Slaney C, MacDougall M, Passmore M, Duffy A, O'Donovan C, Teehan A, **Alda M***: Prophylactic treatment response in bipolar disorder: results of a naturalistic observation study. *Journal of Affective Disorders* 104: 185 - 190, 2007.
103. Yucel K, McKinnon MC, Taylor VH, Macdonald K, **Alda M**, Young LT, MacQueen GM: Bilateral hippocampal volume increase in patients with bipolar disorder after long-term lithium treatment: a longitudinal MRI study. *Psychopharmacology* 195: 357 - 367, 2007.
104. Duffy A, **Alda M**, Crawford L, Milin R, Grof P: The early manifestations of bipolar disorder: a longitudinal prospective study of the offspring of bipolar parents. *Bipolar Disorders* 9: 828 - 838, 2007.
105. Yucel K, Taylor VH, McKinnon MC, Macdonald K, **Alda M**, Young LT, MacQueen GM: Bilateral hippocampal volume increase in patients with bipolar disorder and short-term lithium treatment. *Neuropsychopharmacology* 33: 361 - 367, 2008.
106. Hajek T, Kozeny J, Kopecek M, **Alda M**, Hoschl C: Reduced subgenual cingulate volumes in mood disorders: a meta-analysis. *Journal of Psychiatry and Neuroscience* 33: 91 - 99, 2008.
107. O'Donovan C, Garnham J, Hajek T, **Alda M***: Antidepressant monotherapy in depression preceding the diagnosis of bipolar disorder - inherent risk and predictive value. *Journal of Affective Disorders* 107: 293 - 298, 2008.
108. Hajek T, Hahn M, Slaney C, Garnham J, Green J, Ruzickova M, Zvolsky P, **Alda M***: Rapid cycling bipolar disorders in primary and tertiary care treated patients. *Bipolar Disorders* 10: 495 - 502, 2008.
109. Hajek T, Gunde E, Bernier D, Slaney C, Propper L, Grof P, MacQueen G, Duffy A, **Alda M***: Subgenual cingulate volumes in affected and unaffected offspring of bipolar parents. *Journal of Affective Disorders* 108: 263 - 269, 2008.
110. Mamdani F, **Alda M**, Grof P, Young LT, Rouleau GA, Turecki G: Lithium response and genetic variation in the CREB family of genes. *Neuropsychiatric Genetics*, 147B: 500 - 504, 2008.
111. Cruceanu C, Lopez de Lara C, Turecki G, **Alda M***: Pharmacogenetics of lithium response.

- Psychiatric Annals 38: 401 - 407, 2008.
112. McGirr A, Renaud J, Séguin M, **Alda M**, Turecki G. Course of major depressive disorder and suicide outcome: a psychological autopsy study. *Journal of Clinical Psychiatry* 69: 966 - 970, 2008.
 113. Bauer M, Glenn T, Whybrow PC, Grof P, Rasgon N, **Alda M**, Marsh W, Sagduyu K, Schmid R, Adli M: Changes in self-reported sleep duration predict mood changes in bipolar disorder. *Psychological Medicine* 38: 1069 - 1072, 2008.
 114. Tseng M, **Alda M**, Xu L, Sun X, Wang J-F, Grof P, Turecki G, Rouleau G, Young LT: BDNF protein levels are decreased in transformed lymphoblasts from lithium-responsive bipolar disorder subjects. *Journal of Psychiatry and Neuroscience* 33: 449 - 453, 2008.
 115. Hajek T, Gunde E, Bernier D, Slaney C, Propper L, MacQueen G, Duffy A, **Alda M***: Pituitary volumes in relatives of bipolar patients - high risk study. *European Archives of Psychiatry and Clinical Neuroscience* 258: 357 - 362, 2008.
 116. Ortiz-Dominguez A, **Alda M***: Genetic studies of bipolar disorder in patients selected by their treatment response. *Salud Mental* 31: 431 - 440, 2008.
 117. Hajek T, Bernier D, Slaney C, Propper L, Schmidt M, Carrey N, MacQueen G, Duffy A, **Alda M***: A comparison of affected and unaffected relatives of patients with bipolar disorder using proton magnetic resonance spectroscopy. *Journal of Psychiatry and Neuroscience* 33: 531 - 540, 2008.
 118. Berghöfer A, **Alda M**, Adli M, Baethge C, Bauer M, Bschor T, Glenn T, Grof P, Müller-Oerlinghausen B, Rybakowski J, Suwalska A, Pfennig A: Long-term effectiveness of lithium in bipolar disorder - a multicenter investigation of patients with typical and atypical features. *Journal of Clinical Psychiatry* 69: 1860 - 1868, 2008.
 119. Bauer M, Glenn T, Grof P, Rasgon NL, Marsh W, Sagduyu K, **Alda M**, Lewitzka U, Schmid R, Whybrow PC: Relationship between adjunctive medications for anxiety and time spent ill in patients with bipolar disorder. *International Journal of Psychiatry in Clinical Practice* 13: 70 - 77, 2009.
 120. **Alda M**, Hajek T, Calkin C, O'Donovan C: Treatment of bipolar disorder: New perspectives. *Annals of Medicine* 41: 186 - 196, 2009.
 121. Hajek T, Gunde E, Slaney C, Propper L, MacQueen G, Duffy A, **Alda M***: Striatal volumes in affected and unaffected relatives of bipolar patients - high-risk study. *Journal of Psychiatric Research* 43: 724 - 729, 2009.
 122. Etches SM, Schmidt M, **Alda M**, Hajek T: Resolution of bipolar II and panic disorders following subarachnoid hemorrhage. *Journal of Psychiatric Practice* 15: 145 - 149, 2009.
 123. Duffy A, Hajek T, **Alda M**, Grof P, MacQueen G: Neurocognitive functioning in the early stages of bipolar disorder: visual backward masking performance in high risk subjects. *European Archives of Psychiatry and Clinical Neuroscience* 259: 263 - 269, 2009.
 124. Yatham LN, Kennedy SH, Schaffer A, Parikh SV, Beaulieu S, O'Donovan C, MacQueen G, McIntyre RS, Sharma V, Ravindran A, Young LT, Young AH, **Alda M**, Milev R, Vieta E, Calabrese JR, Berk M, Ha K, Kapczinski F: Canadian Network for Mood and Anxiety Treatments (CANMAT) and International Society for Bipolar Disorders (ISBD) collaborative update of CANMAT guidelines for the management of patients with bipolar disorder: update 2009. *Bipolar Disorders* 11: 225 - 255, 2009.
 125. Bauer M, Glenn T, Grof P, Rasgon NL, Marsh W, Sagduyu K, **Alda M**, Lewitzka U, Sasse J, Kozuch-Krolik E, Whybrow PC: Frequency of subsyndromal symptoms and employment status in patients with bipolar disorder. *Social Psychiatry and Psychiatric Epidemiology* 44: 515 - 522, 2009.
 126. Hajek T, Kopecek M, Kozeny J, **Alda M**, Hoschl C: Amygdala volumes in mood disorders - meta-analysis of magnetic resonance volumetry studies. *Journal of Affective Disorders* 115: 395 - 410, 2009.
 127. Bauer M, Glenn T, Grof P, Rasgon N, Marsh W, Sagduyu K, **Alda M**, Murray G, Quiroz D, Malliaris Y, Whybrow PC: Relationship among latitude, climate, season and self-reported mood in bipolar disorder. *Journal of Affective Disorders* 116: 152 - 157, 2009.
 128. Bauer M, Glenn T, Grof P, Rasgon N, **Alda M**, Marsh W, Sagduyu K, Schmid R, Adli M, Whybrow PC: Comparison of sleep/wake parameters for self-monitoring bipolar disorder. *Journal of Affective*

Disorders 116: 170 - 175, 2009.

129. Cruceanu C, **Alda M**, Turecki G: Lithium: a key to the genetics of bipolar disorder. *Genome Medicine* 1: 79, 2009.
130. Calkin C, van de Velde C, Ruzickova M, Slaney C, Garnham J, Hajek T, O'Donovan C, **Alda M***: Can body mass index help predict outcome in patients with bipolar disorder? *Bipolar Disorders* 11: 650 - 656, 2009.
131. Grof P, Duffy A, **Alda M**, Hajek T: Lithium response across generations. *Acta Psychiatrica Scandinavica* 120: 378 - 385, 2009.
132. McGirr A, **Alda M**, Séguin M, Cabot S, Lesage A, Turecki G: Familial aggregation of suicide is explained by cluster B traits: A three-group family study of suicide controlling for major depressive disorder. *American Journal of Psychiatry* 166: 1124 - 1134, 2009.
133. **Alda M**, Yatham LN: Is monotherapy as good as polypharmacy in long-term treatment of bipolar disorder? *Canadian Journal of Psychiatry* 54: 719 - 725, 2009
134. Duffy A, **Alda M**, Hajek T, Grof P: Early course of bipolar disorder in high-risk offspring: prospective study. *British Journal of Psychiatry* 195: 457 - 458, 2009.
135. Hajek T, Gunde E, Slaney C, Propper L, MacQueen G, Duffy A, **Alda M***: Amygdala and hippocampal volumes in relatives of patients with bipolar disorder: A high-risk study. *Canadian Journal of Psychiatry* 54: 726 - 733, 2009.
136. Bauer M, Glenn T, Grof P, Marsh W, Sagduyu K, **Alda M**, Murray G, Lewitzka U, Schmid R, Haack S, Whybrow PC: The association between concurrent psychotropic medications and self-reported adherence with taking a mood stabilizer in bipolar disorder. *Human Psychopharmacology* 25: 47 - 54, 2010.
137. Ortiz A, **Alda M***: Treatment of bipolar disorder with comorbid migraine. *Journal of Psychiatry and Neuroscience* 35: E1 - E2, 2010
138. Duffy A, **Alda M**, Hajek T, Sherry S, Grof P: Early stages in the development of bipolar disorder. *Journal of Affective Disorders* 121: 127 - 135, 2010.
139. Duffy A, Grof P, Hajek T, **Alda M***: Resolving the discrepancy in childhood bipolar high-risk study findings. *American Journal of Psychiatry* 167: 716, 2010.
140. Pfennig A, Schlattmann P, **Alda M**, Grof P, Glenn T, Müller-Oerlinghausen B, Suwalska A, Rybakowski J, Willich SN, Bauer M, Berghöfer A: Influence of atypical features on the quality of prophylactic effectiveness of long-term lithium treatment in bipolar disorders. *Bipolar Disorders* 12: 390 - 396, 2010.
141. Ortiz A, Cervantes P, van de Velde C, Zlotnik G, Slaney C, Garnham J, O'Donovan C, **Alda M***: Cross-prevalence of migraine and bipolar disorder. *Bipolar Disorders* 12: 397 - 403, 2010.
142. Hajek T, Novak T, Kopecek M, Gunde E, **Alda M**, Höschl C: Subgenual cingulate volumes in offspring of bipolar parents and in sporadic bipolar patients. *European Archives of Psychiatry and Clinical Neuroscience*, 260: 297 - 304, 2010.
143. Schulze TG, **Alda M**, Adli M, Akula N, Ardaur R, Chillotti C, Cichon S, Czerski P, Del Zompo M, Detera-Wadleigh SD, Grof P, Gruber O, Hashimoto R, Hauser J, Hoban R, Iwata N, Kassem L, Kato T, Kittel-Schneider S, Kliwiczki S, Kelsoe JR, Kusumi I, Laje G, Leckband SG, Manchia M, MacQueen G, Masui T, Ozaki N, Perlis RH, Pfennig A, Piccardi P, Richardson S, Rouleau G, Reif A, Rybakowski J, Sasse J, Schumacher J, Severino G, Smoller JW, Squassina A, Turecki G, Young LT, Yoshikawa T, Bauer M, McMahon FJ: The international Consortium for Lithium Genetics (ConLiGen) - an initiative by the NIMH and IGSLi to study the genetic basis of response to lithium treatment. *Neuropsychobiology*, 62: 72 - 78, 2010.
144. Lopez de Lara C, Jaitovich-Groisman I, Cruceanu C, Mamdani F, Lebel V, Yerko V, Beck A, Young LT, Rouleau GA, Grof P, **Alda M***, Turecki G*: Implication of synapse-related genes in bipolar disorder by linkage and gene expression analyses. *The International Journal of Neuropsychopharmacology*, 13: 1397 - 1410, 2010.
145. **Alda M**, O'Donovan C: A much needed BALANCE. *Bipolar Disorders*, 12: 678 - 680, 2010.

146. Cruceanu C, **Alda M**, Rouleau G, Turecki G: Response to treatment in bipolar disorder. *Current Opinion in Psychiatry* 24: 24 - 28, 2011.
147. Gunde E, Novak T, Kopecek M, Schmidt M, Propper L, Stopkova P, Höschl C, Duffy A, **Alda M**, Hajek T: White matter hyperintensities in affected and unaffected late teenage and early adulthood offspring of bipolar parents: A two-center high-risk study. *Journal of Psychiatric Research* 45: 76 - 82, 2011.
148. Bauer M, Glenn T, **Alda M**, Grof P, Sagduyu K, Bauer R, Lewitzka U, Whybrow PC: Comparison of pre-episode and pre-remission states using mood ratings from patients with bipolar disorder. *Pharmacopsychiatry* 44 (Suppl 1): S49 - S53, 2011
149. Ortiz A, Bradler K, Slaney C, Garnham J, Ruzickova M, O'Donovan C, Hajek T, **Alda M***: An admixture analysis of the age at index episodes in bipolar disorder. *Psychiatry Research* 188: 34 - 39, 2011.
150. Duffy A, Doucette S, Lewitzka U, **Alda M**, Hajek T, Grof P: Findings from bipolar offspring studies: methodology matters. *Early Intervention in Psychiatry* 5: 181 - 191, 2011.
151. Hajek T, **Alda M**, Grof P: Discontinuation of lithium because of side effects. *Journal of Psychiatry and Neuroscience* 36: E39 - E40, 2011.
152. Hosak L, Sery O, Beranek M, **Alda M**: Lack of association between the Val158Met catechol-O-methyltransferase gene polymorphism and methamphetamine dependence. *Neuroendocrinology Letters* 32: 469 - 474, 2011.
153. Bauer M, Glenn T, Rasgon N, Marsh W, Sagduyu K, Grof P, **Alda M**, Murray G, Munoz R, Quiroz D, Bauer R, Jabs B, Whybrow PC: Decreasing the minimum length criterion for an episode of hypomania: evaluation using self-reported data from patients with bipolar disorder. *European Archives of Psychiatry and Clinical Neuroscience* 261: 341 - 347, 2011.
154. Ortiz A, **Alda M**, O'Donovan C: Tourette syndrome with comorbid bipolar disorder and migraine - can lamotrigine monotherapy help? *Journal of Clinical Psychopharmacology* 32: 140 - 142, 2012.
155. Cruceanu C, **Alda M**, Grof P, Rouleau GA, Turecki G: Synapsin II is involved in the molecular pathway of lithium treatment in bipolar disorder. *PLoS ONE* 7: e32680, 2012.
156. Labelle A, Bourget D, Bradford JMW, **Alda M**, Tessier P: Familial paraphilia: a pilot study with the construction of genograms. *ISRN (International Scholarly Research Network) Psychiatry*, Volume 2012, Article ID 692813, 2012.
157. Hajek T, Cullis J, Novak T, Kopecek M, Höschl C, Blagdon R, O'Donovan C, Bauer M, Young LT, MacQueen G, **Alda M***: Hippocampal volumes in bipolar disorders: opposing effects of illness burden and lithium treatment. *Bipolar Disorders* 14: 261 - 270, 2012.
158. Hajek T, Bauer M, Pfennig A, Cullis J, Ploch J, O'Donovan C, Bohnert G, Klingebiel R, Young LT, MacQueen G, **Alda M***: Large positive effect of lithium on prefrontal cortex N-acetyl aspartate in bipolar patients - two centre study. *Journal of Psychiatry and Neuroscience* 37: 185 - 192, 2012.
159. Calkin C, **Alda M***: Beyond the guidelines for bipolar disorder: practical issues in long-term treatment with lithium. *Canadian Journal of Psychiatry* 57: 437 - 445, 2012.
160. Hajek T, Kopecek M, Höschl C, **Alda M***: Smaller hippocampal volumes in patients with bipolar disorder are masked by exposure to lithium - a meta-analysis. *Journal of Psychiatry and Neuroscience* 37: 333 - 343, 2012.
161. Bauer M, Glenn T, **Alda M**, Andreassen OA, Arduini R, Bellivier F, Berk M, Bjella TD, Bossini L, Del Zompo M, Dodd S, Fagioli A, Frye MA, Gonzalez-Pinto A, Henry C, Kapczynski F, Kliwicki S, König B, Kunz M, Lafer B, Lopez-Jaramillo C, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Melle I, Morken G, Munoz R, Nery FG, O'Donovan C, Pfennig A, Quiroz D, Rasgon N, Reif A, Rybakowski J, Sagduyu K, Simhandl C, Torrent C, Vieta E, Zetin M, Whybrow PC: Impact of sunlight on the age of onset of bipolar disorder. *Bipolar Disorders* 14: 654 - 663, 2012.
162. **Alda M**, Hajek T: Loose ends of psychiatric research. *Journal of Psychiatry and Neuroscience* 37: 367 - 368, 2012.

163. Bauer M, Glenn T, Keil M, Bauer R, Marsh W, Grof P, **Alda M**, Sagduyu K, Murray G, Quiroz D, Baethge C, Whybrow PC: Brief depressive symptoms in patients with bipolar disorder: Analysis of long-term self-reported data. *Australian and New Zealand Journal of Psychiatry* 46: 1068 - 1078, 2012.
164. Bauer M, Glenn T, **Alda M**, Sagduyu K, Marsh W, Grof P, Munoz R, Severus E, Ritter P, Whybrow PC: Drug treatment patterns in bipolar disorder: analysis of long-term self-reported data. *International Journal of Bipolar Disorders* 1: 5, 2013.
165. Cruceanu C, Freemantle E, **Alda M**, Rouleau GA, Turecki G: Epigenetic regulation of synapsin genes in mood disorders. *Neuropsychopharmacology*. 38: 239 - 241, 2013.
166. Berghöfer A, **Alda M**, Adli M, Baethge C, Bauer M, Bschor T, Grof P, Müller-Oerlinghausen B, Rybakowski JK, Suwalska A, Pfennig A: Stability of lithium treatment in bipolar disorder - long-term follow-up of 346 patients. *International Journal of Bipolar Disorders* 1: 11, 2013
167. Hajek T, Cullis J, Novak T, Kopecek M, Blagdon R, Propper L, Stopkova P, Duffy A, Hoschl C, Uher R, Paus T, Young LT, **Alda M***: Brain structural signature of familial predisposition for bipolar disorder: replicable evidence for involvement of the right inferior frontal gyrus. *Biological Psychiatry* 73: 144 - 152, 2013.
168. Yatham LN, Kennedy SH, Parikh SV, Schaffer A, Beaulieu S, **Alda M**, O'Donovan C, MacQueen G, McIntyre RS, Sharma V, Ravindran A, Young LT, Milev R, Bond DJ, Frey BN, Goldstein BI, Lafer B, Birmaher B, Ha K, Nolen WA, Berk M: Canadian Network for Mood and Anxiety Treatments (CANMAT) and International Society for Bipolar Disorders (ISBD) collaborative update of CANMAT guidelines for the management of patients with bipolar disorder: update 2013. *Bipolar Disorders* 15: 1 - 44, 2013.
169. Yatham LN, Kennedy SH, Parikh SV, Schaffer A, Beaulieu S, **Alda M**, O'Donovan C, MacQueen G, McIntyre RS, Sharma V, Ravindran A, Young LT, Milev R, Bond DJ, Frey BN, Goldstein BI: The evolution of CANMAT Bipolar Disorder Guidelines: past, present, and future. *Bipolar Disorders* 15: 58 - 60, 2013.
170. Cruceanu C, **Alda M**, Nagy C, Freemantle E, Rouleau GA, Turecki G: H3K4 tri-methylation in synapsin genes leads to different expression patterns in bipolar disorder and major depression. *International Journal of Neuropsychopharmacology* 16: 289 - 299, 2013.
171. Schaffer A, Parikh SV, Kennedy SH, Milev R, Frey BN, Goldstein BI, Beaulieu S, **Alda M**, O'Donovan C, MacQueen G, McIntyre RS, Sharma V, Ravindran A, Young LT, Bond DJ, Lam RW, Yatham LN: Response to commentaries on the Canadian Network for Mood and Anxiety Treatments/International Society for Bipolar Disorders 2013 updated bipolar disorder guidelines. *Bipolar Disord.* 15: 338 - 339, 2013.
172. Calkin CV, Gardner DM, Ransom T, **Alda M***: The relationship between bipolar disorder and type 2 diabetes: more than just comorbid disorders. *Annals of Medicine* 45: 171 - 181, 2013.
173. Severino G, Squassina A, Costa M, Pisanu C, Calza S, **Alda M**, Del Zompo M, Manchia M: Pharmacogenomics of bipolar disorder. *Pharmacogenomics* 14: 655 - 674, 2013.
174. Manchia M, Hajek T, O'Donovan C, Deiana V, Chillotti C, Ruzickova M, Del Zompo M, **Alda M***: Genetic risk of suicidal behavior in bipolar-spectrum disorder: analysis of 737 pedigrees. *Bipolar Disorders* 15: 496 - 506, 2013.
175. Bauer M, Glenn T, **Alda M**, Sagduyu K, Marsh W, Grof W, Munoz R, Baethge C, Lewitzka U, Pilhatsch M, Bauer R, Whybrow PC: Regularity in daily mood stabilizer dosage taken by patients with bipolar disorder. *Pharmacopsychiatry* 46: 163 - 168, 2013.
176. Manchia M, Adli M, Akula N, Arda R, Aubry J-M, Backlund L, Banzato CEM, Baune BT, Bellivier F, Bengesser S, Biernacka JM, Brichant-Petitjean C, Bui E, Calkin CV, Tai Ann Cheng A, Chillotti C, Cichon S, Clark S, Czerski PM, Dantas C, Del Zompo M, DePaulo JR, Detera-Wadleigh SD, Etain B, Falkai P, Frisén L, Frye MA, Fullerton J, Gard S, Garnham J, Goes FS, Grof P, Gruber O, Hashimoto R, Hauser J, Heilbronner U, Hoban R, Hou L, Jamain S, Kahn J-P, Kassem L, Kato T, Kelsoe JR, Kittel-Schneider S, Kliwicki S, Kuo P-H, Kusumi I, Laje G, Lavebratt C, Leboyer M,

- Leckband SG, López Jaramillo CA, Maj M, Malafosse A, Martinsson L, Masui T, Mitchell PB, Mondimore F, Monteleone P, Nallet A, Neuner M, Novák T, O'Donovan C, Ösby U, Ozaki N, Perlis RH, Pfennig A, Potash JB, Reich-Erkelenz D, Reif A, Reininghaus E, Richardson S, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schubert OK, Schweizer B, Seemüller F, Grigoriu-Serbanescu M, Severino G, Seymour LR, Slaney C, Smoller JW, Squassina A, Stamm T, Steele J, Stopkova P, Tighe SK, Tortorella A, Turecki G, Wray NR, Wright A, Zandi PP, Zilles D, Bauer M, Rietschel M, McMahon FJ, Schulze TG, **Alda M***: Assessment of response to lithium maintenance treatment in bipolar disorder: a Consortium on Lithium Genetics (ConLiGen) report. *PLoS ONE* 8: e65636, 2013.
177. Cruceanu C, Ambalavanan A, Spiegelman D, Gauthier J, Lafrenière RG, Dion PA, **Alda M**, Turecki G, Rouleau GA: Family-based exome sequencing approach identifies rare susceptibility variants for lithium-responsive bipolar disorder. *Genome* 56: 634 - 640, 2013.
 178. Bauer R, Glenn T, **Alda M**, Sagduyu K, Marsh W, Grof P, Munoz R, Murray G, Ritter P, Lewitzka U, Severus E, Whybrow PC, Bauer M: Antidepressant dosage taken by patients with bipolar disorder: factors associated with irregularity. *International Journal of Bipolar Disorders* 1: 26, 2013.
 179. Squassina A, Manchia M, Chillotti C, Deiana V, Congiu D, Paribello F, Roncada P, Soggiu A, Piras C, Urbani A, Robertson GS, Keddy P, Turecki G, Rouleau GA, **Alda M***, Del Zompo M: Differential effect of lithium on spermidine/spermine N1-acetyltransferase expression in suicidal behaviour. *International Journal of Neuropsychopharmacology* 16: 2209 - 2218, 2013.
 180. **Alda M**: Personalized psychiatry: many questions, fewer answers. *Journal of Psychiatry and Neuroscience* 38: 363 - 365, 2013.
 181. Hajek T, Kopecek M, **Alda M**, Uher R, Höschl C: Why negative meta-analyses may be false? *European Neuropsychopharmacology* 23: 1307 - 1309, 2013.
 182. Manchia M, **Alda M**, Calkin C: Repeated erythromycin/codeine-induced psychotic mania. *Clinical Neuropharmacology* 36: 177 - 178, 2013.
 183. Manchia M, Cullis J, Turecki G, Rouleau GA, Uher R, **Alda M***: The impact of phenotypic and genetic heterogeneity on results of genome wide association studies of complex diseases. *PLoS ONE* 8: e76295, 2013.
 184. Hajek T, **Alda M**, Hajek E, Ivanoff J: Functional neuroanatomy of response inhibition in bipolar disorders - combined voxel based and cognitive performance meta-analysis. *Journal of Psychiatric Research* 47: 1955 - 1966, 2013.
 185. **Alda M**, Shao L, Wang J-F, Lopez de Lara C, Jaitovich-Groisman I, Lebel V, Sun X, Duffy A, Grof P, Rouleau GA, Turecki GX, Young LT: Alterations in phosphorylated cAMP response element-binding protein (pCREB) signaling: an endophenotype of lithium-responsive bipolar disorder? *Bipolar Disorders* 15: 824 - 831, 2013.
 186. Rasic D, Hajek T, **Alda M**, Uher R: Risk of mental illness in offspring of parents with schizophrenia, bipolar disorder, and major depressive disorder: a meta-analysis of family high-risk studies. *Schizophrenia Bulletin* 40: 28 - 38, 2014.
 187. Hajek T, Bauer M, Simhandl C, Rybakowski J, O'Donovan C, Pfennig A, König B, Suwalska A, Yucel K, Uher R, Young LT, MacQueen G, **Alda M***: Neuroprotective effect of lithium on hippocampal volumes in bipolar disorders independent of treatment response. *Psychological Medicine* 44: 507 - 517, 2014.
 188. Huzayyin AA, Andreazza AC, Turecki G, Cruceanu C, Rouleau GA, **Alda M**, Young LT: Decreased global methylation in patients with bipolar disorder who respond to lithium. *International Journal of Neuropsychopharmacology* 17: 561 - 569, 2014.
 189. Mühleisen T, Leber M, Schulze T, Strohmaier J, Degenhardt F, Treutlein J, Mattheisen M, Breuer R, Meier S, Herms S, Hoffmann P, Lacour A, Witt S, Reif A, Müller-Myhsok B, Lucae S, Maier W, Schwarz M, Vedder H, Kammerer-Ciernioch J, Pfennig A, Bauer M, Hautzinger M, Moebus S, Priebe L, Czerski P, Hauser J, Lissowska J, Szeszenia-Dabrowska N, Brennan P, McKay J, Wright A, Mitchell P, Fullerton J, Schofield P, Montgomery G, Medland S, Gordon S, Martin NG, Krasnov V,

- Chuchalin A, Babadjanova G, Pantelejeva G, Abramova L, Tiganov A, Polonikov A, Khusnutdinova E, **Alda M**, Grof P, Rouleau G, Turecki G, Laprise C, Rivas Guerrero F, Mayoral F, Kogevinas M, Grigoriou-Serbanescu M, Propping P, Becker T, Rietschel M, Nöthen MM, Cichon S: Genome-wide association study reveals two new risk loci for bipolar disorder. *Nature Communications* 5: 3339, 2014.
190. Thompson PM, Stein JL, Medland SE, Hibar DP, Vasquez AA, Renteria ME, Toro R, Jahanshad N, Schumann G, Franke B, Wright MJ, Martin NG, Agartz I, **Alda M**, Alhusaini S, Almasy L, Almeida J, Alpert K, Andreasen NC, Andreassen OA, Apostolova LG, Appel K, Armstrong NJ, Aribisala B, Bastin ME, Bauer M, Bearden CE, Bergmann O, Binder EB, Blangero J, Bockholt HJ, Bøen E, Bois C, Boomsma DI, Booth T, Bowman JJ, Bralten J, Brouwer RM, Brunner HG, Brohawn DG, Buckner RL, Buitelaar J, Bulayeva K, Bustillo JR, Calhoun VD, Cannon DM, Cantor RM, Carless MA, Caseras X, Cavalleri GL, Chakravarty MM, Chang KD, Ching CR, Christoforou A, Cichon S, Clark VP, Conrod P, Coppola G, Crespo-Facorro B, Curran JE, Czisch M, Deary IJ, de Geus EJ, den Braber A, Delvecchio G, Depondt C, de Haan L, de Zubicaray GI, Dima D, Dimitrova R, Djurovic S, Dong H, Donohoe G, Duggirala R, Dyer TD, Ehrlich S, Ekman CJ, Elvsåshagen T, Emsell L, Erk S, Espeseth T, Fagerness J, Fears S, Fedko I, Fernández G, Fisher SE, Foroud T, Fox PT, Francks C, Frangou S, Frey EM, Frodl T, Frouin V, Garavan H, Giddaluru S, Glahn DC, Godlewska B, Goldstein RZ, Gollub RL, Grabe HJ, Grimm O, Gruber O, Guadalupe T, Gur RE, Gur RC, Göring HH, Hagenaars S, Hajek T, Hall GB, Hall J, Hardy J, Hartman CA, Hass J, Hatton SN, Haukvik UK, Hegenscheid K, Heinz A, Hickie IB, Ho BC, Hoehn D, Hoekstra PJ, Hollinshead M, Holmes AJ, Homuth G, Hoogman M, Hong LE, Hosten N, Hottenga JJ, Hulshoff Pol HE, Hwang KS, Jack CR Jr, Jenkinson M, Johnston C, Jönsson EG, Kahn RS, Kasperaviciute D, Kelly S, Kim S, Kochunov P, Koenders L, Krämer B, Kwok JB, Lagopoulos J, Laje G, Landen M, Landman BA, Lauriello J, Lawrie SM, Lee PH, Le Hellard S, Lemaître H, Leonardo CD, Li CS, Liberg B, Liewald DC, Liu X, Lopez LM, Loth E, Lourdusamy A, Luciano M, Macciardi F, Machielsen MW, Macqueen GM, Malt UF, Mandl R, Manoach DS, Martinot JL, Matarin M, Mather KA, Mattheisen M, Mattingdal M, Meyer-Lindenberg A, McDonald C, McIntosh AM, McMahon FJ, McMahon KL, Meisenzahl E, Melle I, Milaneschi Y, Mohnke S, Montgomery GW, Morris DW, Moses EK, Mueller BA, Muñoz Maniega S, Mühleisen TW, Müller-Myhsok B, Mwangi B, Nauck M, Nho K, Nichols TE, Nilsson LG, Nugent AC, Nyberg L, Olvera RL, Oosterlaan J, Ophoff RA, Pandolfo M, Papalampropoulou-Tsiridou M, Pappmeyer M, Paus T, Pausova Z, Pearlson GD, Penninx BW, Peterson CP, Pfennig A, Phillips M, Pike GB, Poline JB, Potkin SG, Pütz B, Ramasamy A, Rasmussen J, Rietschel M, Rijkema M, Risacher SL, Roffman JL, Roiz-Santiañez R, Romanczuk-Seiferth N, Rose EJ, Royle NA, Rujescu D, Ryten M, Sachdev PS, Salami A, Satterthwaite TD, Savitz J, Saykin AJ, Scanlon C, Schmaal L, Schnack HG, Schork AJ, Schulz SC, Schür R, Seidman L, Shen L, Shoemaker JM, Simmons A, Sisodiya SM, Smith C, Smoller JW, Soares JC, Sponheim SR, Sprooten E, Starr JM, Steen VM, Strakowski S, Strike L, Sussmann J, Sämann PG, Teumer A, Toga AW, Tordesillas-Gutierrez D, Trabzuni D, Trost S, Turner J, Van den Heuvel M, van der Wee NJ, van Eijk K, van Erp TG, van Haren NE, van 't Ent D, van Tol MJ, Valdés Hernández MC, Veltman DJ, Versace A, Völzke H, Walker R, Walter H, Wang L, Wardlaw JM, Weale ME, Weiner MW, Wen W, Westlye LT, Whalley HC, Whelan CD, White T, Winkler AM, Wittfeld K, Woldehawariat G, Wolf C, Zilles D, Zwiers MP, Thalamuthu A, Schofield PR, Freimer NB, Lawrence NS, Drevets W, the Alzheimer's Disease Neuroimaging Initiative, EPIGEN Consortium, IMAGEN Consortium, Saguenay Youth Study (SYS) Group: The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. *Brain Imaging Behavior* 8: 153 - 182, 2014.
 191. Hou L, Heilbronner U, Adli M, Akiyama K, Akula N, Arda R, Arias B, Aubry J-M, Backlund L, Banzato CEM, Baune BT, Bellivier F, Benabarre A, Bengesser SA, Biernacka JM, Brichtant-Petitjean C, Bui ET, Chen H-C, Chillotti C, Cichon S, Colom F, Cousins D, Cruceanu C, Czerski P, Dantas C, Dayer A, Degenhardt F, Del Zompo M, DePaulo JR, Detera-Wadleigh SD, Etain B, Falkai P, Frisén L, Frye MA, Fullerton J, Gard S, Garnham J, Goes FS, Grigoriou-Serbanescu M, Grof P, Gruber O,

- Hashimoto R, Hauser J, Hoban R, Hoffmann P, Jamain S, Jiménez E, Kahn JP, Kassem L, Kelsoe JR, Kittel-Schneider S, Kliwicki S, Koenig B, Kusumi I, Laje G, Lavebratt C, Leboyer M, Leckband SG, López Jaramillo CA, MacQueen G, Maj M, Manchia M, Martinsson L, Masui T, McCarthy MJ, Mitchell PB, Mitjans M, Mondimore F, Monteleone P, Nallet A, Nöthen M, Novák T, Ösby U, Ozaki N, Perlis RH, Pfennig A, Piccardi P, Potash JB, Reich-Erkelenz D, Reif A, Reininghaus E, Rouleau G, Rybakowski JK, Schalling M, Schofield PR, Schweizer B, Seemüller F, Severino G, Seymour LR, Simhandl C, Slaney C, Smoller JW, Squassina A, Stamm T, Steele J, Stopkova P, Tighe S, Tortorella A, Turecki G, Vieta E, Wray NR, Wright A, Young LT, Zandi PP, Bauer M, Rietschel M, **Alda M**, Kato T, Kuo P-H, McMahon FJ, Schulze TG: Variant GADL1 and response to lithium in bipolar I disorder. *New England Journal of Medicine* 37019: 1857 - 1859, 2014.
192. Bauer M, Glenn T, **Alda M**, Andreassen OA, Angelopoulos E, Ardaur R, Baethge C, Bellivier F, Belmaker RH, Berk M, Bjella TD, Bossini L, Cheng Yat Wo E, Del Zompo M, Dodd S, Etain B, Fagiolini A, Frye MA, Fountoulakis KN, Garneau-Fournier J, Gonzalez-Pinto A, Hassel S, Henry C, Iacovides A, Isometsa ET, Kapczinski F, Kliwicki S, König B, Krogh R, Kunz M, Lafer B, Larsen ER, Lopez-Jaramillo C, MacQueen G, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Melle I, Monteith S, Morken G, Munoz R, Nery FG, O'Donovan C, Osher Y, Pfennig A, Quiroz D, Ramesar R, Rasgon N, Reif A, Ritter P, Rybakowski J, Sagduyu K, Scrippa AM, Simhandl C, Stein D, Strejilevich S, Sulaiman AH, Suominen K, Tagata H, Tatebayashi Y, Torrent C, Vieta E, Viswanath B, Wanchoo MJ, Zetin M, Whybrow PC: Relationship between sunlight and the age of onset of bipolar disorder: An international multisite study. *Journal of Affective Disorders* 167: 104 - 111, 2014.
 193. Forstner AJ, Hofmann A, Mühleisen TW, Leber M, Schulze TG, Strohmaier J, Degenhardt F, Treutlein J, Mattheisen M, Breuer R, Meier S, Herms S, Hoffmann P, Lacour A, Witt SH, Reif A, Müller-Myhsok B, Lucae S, Maier W, Schwarz M, Vedder H, Kammerer-Ciernioch J, Pfennig A, Bauer M, Hautzinger M, Moebus S, Priebe L, Czerski PM, Hauser J, Lissowska J, Szeszenia-Dabrowska N, Brennan P, McKay JD, Wright A, Mitchell PB, Fullerton JM, Schofield PR, Montgomery GW, Medland SE, Gordon SD, Martin NG, Krasnow V, Chuchalin A, Babadjanova G, Pantelejeva G, Abramova LI, Tiganov AS, Polonikov A, Khusnutdinova E, **Alda M**, Grof P, Rouleau GA, Turecki G, Laprise C, Rivas F, Mayoral F, Kogevinas M, Grigoriu-Serbanescu M, Propping P, Schratt G, Becker T, Rietschel M, Cichon S, Nöthen MM: Genome-wide analysis of microRNA coding genes in bipolar disorder. *Medizinische Genetik* 26: 94 - 95, 2014.
 194. Nunes A, Hajek T, **Alda M***: Early and delayed treatment of bipolar disorder. *British Journal of Psychiatry* 205: 411, 2014.
 195. Hajek T, Calkin C, Blagdon R, Slaney C, Uher R, **Alda M***: Insulin resistance, diabetes mellitus and brain structure in bipolar disorders. *Neuropsychopharmacology* 39: 2910 - 2918, 2014.
 196. Niola P, Gross JA, Lopez JP, Chillotti C, Deiana V, Manchia M, Georgitsi M, Patrinos GP, **Alda M**, Turecki G, Del Zompo M, Squassina A: Lithium-induced differential expression of SAT1 in suicide completers and controls is not correlated with polymorphisms in the promoter region of the gene. *Psychiatry Research* 220: 1167 - 1168, 2014.
 197. Pfennig A, **Alda M**, Young T, MacQueen G, Rybakowski J, Suwalska A, Simhandl C, König B, Hajek T, O'Donovan C, von Quillfeldt S, Wittekind D, Sauer C, Bauer M: Prophylactic lithium treatment and cognitive performance in patients with a long history of bipolar illness: No simple answers in a complex disease-treatment interplay. *International Journal of Bipolar Disorders* 2: 16, 2014.
 198. Uher R, Cumby J, MacKenzie LE, Morash-Conway J, Glover JM, Aylott A, Propper L, Abidi S, Bagnell A, Pavlova B, Hajek T, Lovas D, Pajer K, Gardner W, Levy A, **Alda M***: A familial risk enriched cohort as a platform for testing early interventions to prevent severe mental illness. *BMC Psychiatry* 14: 344, 2014.
 199. Corbett N, **Alda M***: On telomeres long and short. *Journal of Psychiatry and Neuroscience* 40: 3 - 4, 2015.
 200. Hajek T, Calkin C, Blagdon R, Slaney C, **Alda M***: Type 2 diabetes mellitus: a potentially modifiable

- risk factor for neurochemical brain changes in bipolar disorders. *Biological Psychiatry* 77: 295 - 303, 2015.
201. Cruceanu C, **Alda M**, Dion PA, Turecki G, Rouleau GA: No evidence for GADL1 variation as a bipolar disorder susceptibility factor in a Caucasian lithium-responsive cohort. *American Journal of Psychiatry* 172: 94 - 95, 2015.
 202. Calkin CV, Ruzickova M, Uher R, Hajek T, Slaney CM, Garnham JS, O'Donovan C, **Alda M***: Insulin resistance and outcome in bipolar disorder. *British Journal of Psychiatry* 206: 52 - 57, 2015.
 203. Horacek J, Mikolas P, Tintera J, Novak T, Palenicek T, Brunovsky M, Höschl C, **Alda M***: Sad mood induction has opposite effect on amygdala response to emotional stimuli in euthymic bipolar patients and healthy controls. *Journal of Psychiatry and Neuroscience* 40: 134 - 142, 2015.
 204. Ortiz A, Bradler K, Garnham J, Slaney C, **Alda M***: Nonlinear dynamics of mood regulation in bipolar disorder. *Bipolar Disorders* 17: 139 - 149, 2015.
 205. Hunsberger JG, Chibane FL, Elkahoul AG, Henderson R, Singh R, Lawson J, Cruceanu C, Nagarajan V, Turecki G, Squassina A, Medeiros C, Del Zompo M, Rouleau GA, **Alda M**, Chuang DM: Novel integrative genomic tool for interrogating lithium response in bipolar disorder. *Translational Psychiatry* 5: e504, 2015.
 206. Bauer M, Glenn T, **Alda M**, Andreassen OA, Angelopoulos E , Ardu R, Baethge C, Bauer R, Bellivier F, Belmaker RH, Berk M, Bjella TD, Bossini L, Bersudsky Y, Cheung Yat Wo E, Conell J, Del Zompo M, Dodd S, Etain B, Fagiolini A, Frye MA, Fountoulakis KN, Garneau-Fournier J, Gonzalez-Pinto A, Harima H, Hassel S, Henry C, Iacovides A, Isometsä ET, Kapczinski F, Kliwicki S, König B, Krogh R, Kunz M, Lafer B, Larsen ER, Lewitzka U, Lopez-Jaramillo C, MacQueen G, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Melle I, Monteith S, Morken G, Munoz R, Nery FG, O'Donovan C, Osher Y, Pfennig A, Quiroz D, Ramesar R, Rasgon N, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Scippa AM, Severus E, Simhandl C, Stein DJ, Strejilevich S, Sulaiman AH, Suominen K, Tagata H, Tatebayashi Y, Torrent C, Vieta E, Viswanath B, Wanchoo MJ, Zetin M, Whybrow PC: Influence of birth cohort on age of onset cluster analysis in bipolar I disorder. *European Psychiatry* 30: 99 - 105, 2015.
 207. Bauer M, Glenn T, **Alda M**, Andreassen OA, Angelopoulos E, Ardu R, Baethge C, Bauer R, Bellivier F, Belmaker RH, Berk M, Bjella TD, Bossini L, Bersudsky Y, Cheung EYW, Conell J, Del Zompo M, Dodd S, Etain B, Fagiolini A, Frye MA, Fountoulakis KN, Garneau-Fournier J, Gonzalez-Pinto A, Gottlieb JF, Harima H, Hassel S, Henry C, Iacovides A, Isometsä ET, Kapczinski F, Kliwicki S, König B, Krogh R, Kunz M, Lafer B, Larsen ER, Lewitzka U, Lopez-Jaramillo C, MacQueen G, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Melle I, Monteith S, Morken G, Munoz R, Nery FG, O'Donovan C, Osher Y, Pfennig A, Quiroz D, Ramesar R, Rasgon N, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Scippa AM, Severus E, Simhandl C, Stein D, Strejilevich S, Sulaiman AH, Suominen K, Tagata H, Tatebayashi Y, Torrent C, Vieta E, Viswanath B, Wanchoo MJ, Zetin M, Whybrow PC: Influence of light exposure during early life on the age of onset of bipolar disorder. *Journal of Psychiatric Research* 64: 1 - 8, 2015.
 208. **Alda M**: Lithium in the treatment of bipolar disorder: pharmacology and pharmacogenetics. *Molecular Psychiatry* 20: 661 - 670, 2015.
 209. Costa M, Squassina A, Piras IS, Pisanu C, Congiu D, Niola P, Angius A, Chillotti C, Ardu R, Severino G, Stochino E, Deidda A, Persico AM, **Alda M**, Del Zompo M: Preliminary transcriptome analysis in lymphoblasts from cluster headache and bipolar disorder patients implicates dysregulation of circadian and serotonergic genes. *Journal of Molecular Neuroscience* 56: 688 - 695, 2015.
 210. Pavlova B, Perlis R, **Alda M**, Uher R: Lifetime prevalence of anxiety disorders in people with bipolar disorder: a systematic review and meta-analysis. *Lancet Psychiatry* 2: 710 - 717, 2015.
 211. Hajek T, Cooke C, Kopecek M, Novak T, Hoschl C, **Alda M***: Using structural MRI to identify subjects at genetic risk for bipolar disorders - a two cohort, machine learning study. *Journal of Psychiatry and Neuroscience* 40: 316 - 324, 2015.
 212. Calkin C, **Alda M***: Insulin resistance in bipolar disorder: relevance to routine clinical care. *Bipolar*

Disorders 17: 683 - 688, 2015.

213. Cruceanu C, Tan PPC, Rogic S, Lopez JP, Torres-Platas SG, Gigeck CO, **Alda M**, Rouleau GA, Pavlidis P, Turecki G: Transcriptome sequencing of the anterior cingulate in bipolar disorder: a global downregulation of expression and dysregulation of G protein-coupled receptors. *American Journal of Psychiatry* 172: 1131 - 1140, 2015.
214. Mertens J, Wang QW, Kim Y, Yu DX, Pham S, Yang B, Zheng Y, Diffenderfer KE, Zhang J, Soltani S, Eames TJ, Schafer ST, Boyer L, Marchetto MC, Nurnberger JI, Calabrese JR, Odegaard KJ, McCarthy MJ, Zandi PP, **Alda M**, Nievergelt CM, The Pharmacogenomics of Bipolar Disorder Study, Mi S, Brennand KJ, Kelsoe JR, Gage FH, Yao J: Differential responses to lithium in hyperexcitable neurons from patients with bipolar disorder. *Nature* 527: 95 - 99, 2015.
215. Forstner AJ, Hofmann A, Maaser A, Sumer S, Khudayberdiev S, Mühleisen TW, Leber M, Schulze TG, Strohmaier J, Degenhardt F, Treutlein J, Mattheisen M, Schumacher J, Breuer R, Meier S, Herms S, Hoffmann P, Lacour A, Witt SH, Reif A, Müller-Myhsok B, Lucae S, Maier W, Schwarz M, Vedder H, Kammerer-Cienioch J, Pfennig A, Bauer M, Hautzinger M, Moebus S, Priebe L, Sivalingam S, Verhaert A, Schulz H, Czerski PM, Hauser J, Lissowska J, Szeszenia-Dabrowska N, Brennan P, McKay JD, Wright A, Mitchell PB, Fullerton JM, Schofield PR, Montgomery GW, Medland SE, Gordon SD, Martin NG, Krasnov V, Chuchalin A, Babadjanova G, Pantelejeva G, Abramova LI, Tiganov AS, Polonikov A, Khusnutdinova E, **Alda M**, Cruceanu C, Rouleau GA, Turecki G, Laprise C, Rivas F, Mayoral F, Kogevinas M, Grigoriu-Serbanescu M, Propping P, Becker T, Rietschel M, Cichon S, Schratt G, Nöthen MM: Genome-wide analysis implicates microRNAs and their target genes in the development of bipolar disorder. *Translational Psychiatry* 5: e678, 2015.
216. Propper L, Ortiz A, Slaney C, Garnham J, Ruzickova M, Calkin C, O'Donovan C, Hajek T, **Alda M***: Early-onset and very-early-onset bipolar disorder: distinct or similar clinical conditions? *Bipolar Disorders* 17: 814 - 820, 2015.
217. MacKenzie LE, Abidi S, Fisher HL, Propper L, Bagnell A, Morash-Conway J, Glover JM, Cumby J, Hajek T, Schultze-Lutter F, Pajer K, **Alda M**, Uher R: Stimulant medication and psychotic symptoms in offspring of parents with mental illness, *Pediatrics* 137: 1 - 10, 2016.
218. Hajek T, McIntyre RS, **Alda M***: Bipolar disorders, type 2 diabetes mellitus and the brain. *Current Opinion in Psychiatry* 29: 1 - 6, 2016.
219. Hou L, Heilbronner U, Degenhardt F, Adli M, Akiyama K, Akula N, Arda R, Arias B, Backlund L, Banzato CEM, Benabarre A, Bengesser S, Bhattacharjee AK, Biernacka JM, Birner A, Brichant-Petitjean C, Bui ET, Cervantes P, Chen G-B, Chen H-C, Chillotti C, Cichon S, Clark SR, Colom F, Cousins D, Cruceanu C, Czerski PM, Dantas CR, Dayer A, Étain B, Falkai P, Forstner AJ, Frisén L, Fullerton JM, Gard S, Garnham JS, Goes FS, Grof P, Gruber O, Hashimoto R, Hauser J, Herms S, Hoffmann P, Hofmann A, Jamain S, Jiménez E, Kahn J-P, Kassem L, Kittel-Schneider S, Kliwicki S, König B, Kusumi I, Lackner N, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, López Jaramillo CA, MacQueen G, Manchia M, Martinsson L, Mattheisen M, McCarthy MJ, McElroy S, Mitjans, Mondimore FM, Monteleone P, Nievergelt CM, Nöthen MM, Ösby U, Ozaki N, Perlis RH, Pfennig A, Reich-Erkelenz D, Rouleau GA, Schofield PR, Schubert KO, Schweizer BW, Seemüller F, Severino G, Shekhtman T, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Smoller, JW, Squassina A, Stamm T, Stopkova P, Tighe SK, Tortorella A, Turecki G, Volkert J, Witt S, Wright A, Young LT, Zandi PP, Potash JB, DePaulo JR, Bauer M, Reininghaus E, Novák T, Aubry J-M, Maj M, Baune BT, Mitchell PB, Vieta E, Frye MA, Rybakowski JK, Kuo P-H, Kato T, Grigoriu-Serbanescu M, Reif A, Del Zompo M, Bellivier F, Schalling M, Wray NR, Kelsoe J*, **Alda M***, Rietschel M*, McMahon FJ*, Schulze TG*: Genetic variants associated with response to lithium treatment in bipolar disorder: a genome-wide association study. *Lancet* 387: 1085 - 1093, 2016.
220. Ortiz A, Bradler K, Radu L, **Alda M**, Rusak B: Exponential state transition dynamics in the rest-activity architecture of patients with bipolar disorder. *Bipolar Disorders* 18: 116 -123, 2016.
221. Bauer R, Conell J, Glenn T, **Alda M**, Arda R, Baune BT, Berk M, Bersudsky Y, Bilderbeck A, Bocchetta A, Bossini L, Castro AM, Cheung EY, Chillotti C, Choppin S, Del Zompo M, Dias R, Dodd

- S, Duffy A, Etain B, Fagiolini A, Hernandez MF, Garnham J, Geddes J, Gildebro J, Gonzalez-Pinto A, Goodwin GM, Grof P, Harima H, Hassel S, Henry C, Hidalgo-Mazzei D, Kapur V, Kunigiri G, Lafer B, Larsen ER, Lewitzka U, Licht RW, Lund AH, Misiak B, Monteith S, Munoz R, Nakanotani T, Nielsen RE, O'Donovan C, Okamura Y, Osher Y, Piotrowski P, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Sawchuk B, Schwartz E, Scippa AM, Slaney C, Sulaiman AH, Suominen K, Suwalska A, Tam P, Tatebayashi Y, Tondo L, Vieta E, Vinberg M, Viswanath B, Volkert J, Zetin M, Whybrow PC, Bauer M: Internet use by patients with bipolar disorder: Results from an international multisite survey. *Psychiatry Research* 242: 388 - 394, 2016.
222. Oedegaard K, **Alda M**, Anand A, Andreassen O, Balaraman Y, Berrettini W, Bhattacharjee A, Brennand K, Burdick K, Calabrese J, Calkin C, Claasen A, Coryell W, Craig D, DeModena A, Frye M, Gage F, Gao K, Garnham J, Gershon E, Jakobsen P, Leckband S, McCarthy M, McInnis M, Maihofer A, Mertens J, Morken G, Nievergelt C, Nurnberger J, Pham S, Schoeyen H, Shekhtman T, Shilling P, Szelinger S, Tarwater B, Yao J, Zandi P, Kelsoe J: The Pharmacogenomics of Bipolar Disorder study (PGBD): identification of genes for lithium response in a prospective sample. *BMC Psychiatry* 16: 129, 2016.
 223. Cruceanu C, Kutsarova E, Chen ES, Checknita DR, Nagy C, Lopez JP, **Alda M**, Rouleau GA, Turecki G: DNA hypomethylation of Synapsin II CpG islands associates with increased gene expression in bipolar disorder and major depression. *BMC Psychiatry* 16: 286, 2016.
 224. **Alda M**, Kapczinski F: Staging model raises fundamental questions about the nature of bipolar disorder. *Journal of Psychiatry and Neuroscience* 41: 291 - 293, 2016.
 225. Conell J, Bauer R, Glenn T, **Alda M**, Arda R, Baune BT, Berk M, Bersudsky Y, Bilderbeck A, Bocchetta A, Bossini L, Paredes Castro AM, Cheung EY, Chillotti C, Choppin S, Del Zompo M, Dias R, Dodd S, Duffy A, Etain B, Fagiolini A, Garnham J, Geddes J, Gildebro J, Gonzalez-Pinto A, Goodwin GM, Grof P, Harima H, Hassel S, Henry C, Hidalgo-Mazzei D, Kapur V, Kunigiri G, Lafer B, Lam C, Larsen ER, Lewitzka U, Licht R, Lund AH, Misiak B, Piotrowski A, Ritter P, Rybakowski JK, Sagduyu K, Sawchuk B, Schwartz E, Scippa AM, Slaney C, Sulaiman AH, Suominen K, Suwalska A, Tam P, Tatebayashi Y, Tondo L, Vieta E, Vinberg M, Viswanath B, Volkert J, Zetin M, Zorrilla I, Whybrow PC, Bauer M: Online information seeking by patients with bipolar disorder: results from an international multisite survey. *International Journal of Bipolar Disorders* 4: 17, 2016.
 226. **Alda M**, Kapczinski F: Concepts and misconceptions regarding clinical staging models: Author response. *Journal of Psychiatry and Neuroscience* 41: E83 - E84, 2016.
 227. Hibar DP, Westlye LT, van Erp TGM, Rasmussen J, Leonardo CD, Faskowitz J, Haukvik UK, Hartberg C, Trung Doan N, Agartz IA, Dale A, Gruber O, Krämer B, Trost S, Liberg B, Abe C, Ekman CJ, Ingvar M, Landen M, Fears S, Freimer N, Bearden CE, the Costa Rica/Colombia Consortium for Genetic Investigation of Bipolar Endophenotypes, Sprooten E, Glahn DC, Pearlson GD, Emsell L, Kenney J, Scanlon C, McDonald C, Cannon DM, Almeida J, Versace A, Caseras X, Lawrence NS, Phillips ML, Dima D, Delvecchio G, Frangou S, Satterthwaite T, Wolf D, Houenou J, Henry C, Malt UF, Bøen E, Elvsåshagen T, Young AH, Lloyd AJ, Goodwin GM, Mackay CE, Bourne C, Bilderbeck A, Abramovic L, Boks MP, van Haren NEM, Ophoff R, Kahn RS, Bauer M, Pfennig A, **Alda M**, Hajek T, Mwangi B, Soares JC, Nickson T, Dimitrova R, Sussmann JE, Hagenaars S, Whalley HC, McIntosh AM, Thompson PM, Andreassen OA: Subcortical volumetric abnormalities in bipolar disorder. *Molecular Psychiatry* 21: 1710 - 1716, 2016.
 228. Hou L, Bergen SE, Akula N, Song J, Hultman C, Landen M, Adli M, **Alda M**, Arda R, Arias B, Aubry J-M, Backlund L, Badner JA, Banzato CEM, Barrett TB, Bauer M, Baune BT, Bellivier F, Benabarre A, Bengesser S, Berrettini WH, Bhattacharjee AK, Biernacka JM, Birner A, Bloss CS, Brichant-Petitjean C, Bui ET, Byerley W, Cervantes P, Chillotti C, Cichon S, Colom F, Coryell W, Craig DW, Cruceanu C, Czerski PM, Davis T, Dayer A, Degenhardt F, Del Zompo M, DePaulo JR, Edenberg HJ, Etain B, Falkai P, Foroud T, Forstner AJ, Frisen L, Frye MA, Fullerton JM, Gard S, Garnham JS, Gershon ES, Goes FS, Greenwood TA, Grigoriou-Serbanescu M, Hauser J, Heilbronner U, Heilmann-Heimbach S, Herms S, Hipolito M, Hitturlingappa S, Hoffmann P, Hofmann A, Jamain

- S, Jimenez E, Kahn J-P, Kassem L, König B, Lackner N, Laje G, Lang M, Lavebratt C, Lawson WB, Leboyer M, Leckband SG, Liu C, Maaser A, Mahon PB, Maier W, Maj M, Manchia M, Martinsson L, McCarthy MJ, McElroy S, Mondimore FM, Monteleone P, Mülheisen TW, Nievergelt CM, Nöthen MM, Novak T, Nurnberger JI, Nwulia EA, Ösby U, Pfennig A, Potash JB, Propping P, Reif A, Reininghaus E, Rice J, Rietschel M, Rouleau GA, Rybakowski JK, Schalling M, Scheftner WA, Schofield PR, Schork NJ, Schulze TG, Schumacher J, Schweizer BW, Severino G, Shekhtman T, Shilling PD, Simhandl C, Slaney CM, Smith EN, Squassina A, Stamm T, Stopkova P, Streit F, Strohmaier J, Szelinger S, Tighe SK, Tortorella A, Turecki G, Vieta E, Volkert J, Witt SH, Wright A, Zandi PP, Zhang P, Zollner S, McMahon FJ: Genome-wide association study of 40,000 individuals identifies two novel loci associated with bipolar disorder. *Human Molecular Genetics* 25: 3383 - 3394, 2016.
229. **Alda M**, McKinnon M, Blagdon R, Garnham J, MacLellan S, O'Donovan C, Hajek T, Nair C, Dursun S, MacQueen G: Methylene blue treatment for residual symptoms of bipolar disorder: randomized crossover study. *British Journal of Psychiatry* 210: 54 - 60, 2017.
 230. Maussion G, Cruceanu C, Rosenfeld JA, Bell SC, Jollant F, Skatkiewicz J, Collins RL, Hanscom C, Kolobova I, de Champfleury N, Blumenthal I, Chiang C, Ota V, Hultman C, O'Dushlaine C, McCarroll S, **Alda M**, Jacquemont S, Ordulu Z, Marshall CR, Carter MT, Shaffer LG, Sklar P, Girirajan S, Morton CC, Gusella JF, Turecki G, Stavropoulos J, Sullivan PF, Scherer SW, Talkowski ME, Ernst C: Implication of LRRC4C and DPP6 in neurodevelopmental disorders. *American Journal of Medical Genetics Part A* 173: 395 - 406, 2017.
 231. Maussion G, Cruceanu C, Rosenfeld JA, Bell SC, Jollant F, Skatkiewicz J, Collins RL, Hanscom C, Kolobova I, de Champfleury N, Blumenthal I, Chiang C, Ota V, Hultman C, O'Dushlaine C, McCarroll S, **Alda M**, Jacquemont S, Ordulu Z, Marshall CR, Carter MT, Shaffer LG, Sklar P, Girirajan S, Morton CC, Gusella JF, Turecki G, Stavropoulos J, Sullivan PF, Scherer SW, Talkowski ME, Ernst C: Cover Image, Volume 173A, Number 2, February 2017. *American Journal of Medical Genetics Part A* 173: i, 2017.
 232. Forstner AJ, Hecker J, Hofmann A, Maaser A, Reinbold CS, Mühleisen TW, Leber M, Strohmaier J, Degenhardt F, Treutlein J, Mattheisen M, Schumacher J, Streit F, Meier S, Herms S, Hoffmann P, Lacour A, Witt SH, Reif A, Müller-Myhsok B, Lucae S, Maier W, Schwarz M, Vedder H, Kammerer-Ciernioch J, Pfennig A, Bauer M, Hautzinger M, Moebus S, Schenk LM, Fischer SB, Sivalingam S, Czerski PM, Hauser J, Lissowska J, Szeszenia-Dabrowska N, Brennan P, McKay JD, Wright A, Mitchell PB, Fullerton JM, Schofield PR, Montgomery GW, Medland SE, Gordon SD, Martin NG, Krasnov V, Chuchalin A, Babadjanova G, Pantelejeva G, Abramova LI, Tiganov AS, Polonikov A, Khusnutdinova E, **Alda M**, Cruceanu C, Rouleau GA, Turecki G, Laprise C, Rivas F, Mayoral F, Kogevinas M, Grigoriu-Serbanescu M, Becker T, Schulze TG, Rietschel M, Cichon S, Fier H, Nöthen MM: Identification of shared risk loci and pathways for bipolar disorder and schizophrenia. *PLoS ONE* 12: e0171595, 2017.
 233. Squassina A, Pisanu C, Corbett N, **Alda M***: Telomere length in bipolar disorder and lithium response. *European Neuropsychopharmacology* 27: 560 - 567, 2017.
 234. Pavlova B, Perlis RH, Mantere O, Sellgren CM, Isometsa E, Mitchell PB, **Alda M**, Uher R: Prevalence of current anxiety disorders in people with bipolar disorder during euthymia: a meta-analysis. *Psychological Medicine* 47: 1107 - 1115, 2017.
 235. Propper L, Cumby J, Patterson V, Drobini V, Glover J, MacKenzie L, Morash-Conway J, Abidi S, Bagnell A, Lovas D, Hajek T, Gardner W, Pajer K, **Alda M**, Uher R: Disruptive mood dysregulation disorder in offspring of parents with depression and bipolar disorder. *British Journal of Psychiatry* 210: 408 - 412, 2017.
 236. Vošahlíková M, Ujcikova H, Chernyavskiy O, Brejchova J, Roubalova L, **Alda M**, Svoboda P: Effect of therapeutic concentration of lithium on live HEK293 cells; increase of Na⁺/K⁺-ATPase, change of overall protein composition and decrease of plasma membrane hydration. *Biochemica et Biophysica Acta - General Subjects* 1861: 1099 - 1112, 2017.

237. Witt SH, Streit F, Jungkunz M, Frank J, Awasthi S, Reinbold CS, Treutlein J, Degenhardt F, Forstner AJ, Heilmann-Heimbach S, Dietl L, Schwarze CE, Schendel D, Strohmaier J, Abdellaoui A, Adolfsson R, Air TM, **Alda M**, Alliey-Rodriguez N, Andreassen OA, Babadjanova G, Bass NJ, Bauer M, Baune BT, Bellivier F, Bergen S, Bethell A, Biernacka JM, Blackwood DHR, Boks M, Boomsma DI, Børghlum AD, Borrmann-Hassenbach M, Brennan P, Buttenschön HN, Byrne EM, Cervantes P, Clarke T-K, Craddock N, Cruceanu C, Curtis D, Czerski PM, Dannlowski U, Davis T, de Geus EJC, Di Florio A, Djurovic S, Domenici E, Edenberg HJ, Etain B, Fischer SB, Forty L, Fraser C, Frye MA, Fullerton JM, Gershon ES, Giegling I, Gordon SD, Gordon-Smith K, Grabe HJ, Green EK, Greenwood TA, Grigoriu-Serbanescu M, Guzman-Parra J, Hall LS, Hamshire M, Hauser J, Hautzinger M, Herms S, Hitturlingappa S, Hoffmann P, Holmans P, Hottenga J-J, Jamain S, Jones I, Jones LA, Juréus A, Kahn RS, Kammerer-Ciernioch J, Kirov G, Kittel-Schneider S, Kloiber S, Knott SV, Kogevinas M, Landén M, Leber M, Leboyer M, Li AS, Lissowska J, Lucae S, Martin NG, Mayoral-Cleries F, McElroy SL, McIntosh AM, McKa JD, McQuillin A, Medland SE, Middeldorp CM, Milaneschi Y, Mitchell PB, Montgomery GW, Morken G, Mors O, Mühleisen TW, Müller-Myhsok B, Nievergelt CM, Nurnberger Jr JI, O'Donovan MC, Olde Loohuis LM, Ophoff R, Oruc L, Owen MJ, Paciga SA, Penninx BWJH, Perry A, Pfennig A, Potash JB, Preisig M, Reif A, Rivas F, Rouleau GA, Schofield PR, Schulze TG, Schwarz M, Sinnamoni GCB, Stahl EA, Strauss J, Turecki G, Van der Auwera S, Vedder H, Vincent JB, Willemsen G, Witt CC, Wray NR, Xi HS, Bipolar Disorders Working Group of the Psychiatric Genomics Consortium, Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Schizophrenia Working Group of the Psychiatric Genomics Consortium, Tadic A, Dahmen N, Schott BJ, Cichon S, Nöthen MM, Ripke S, Mobascher A, Rujescu D, Lieb K, Roepke S, Schmahl C, Bohus M, Rietschel M: Genome-wide association study of borderline personality disorder reveals genetic overlap with bipolar disorder, major depression and schizophrenia. *Translational Psychiatry* 7: e1155, 2017.
238. Bauer R, Conell J, Glenn T, **Alda M**, Ardaur R, Baune BT, Berk M, Bersudsky Y, Bilderbeck A, Bocchetta A, Bossini L, Castro AMP, Cheung EYW, Chillotti C, Choppin S, Del Zompo M, Dias R, Dodd S, Duffy A, Etain B, Fagiolini A, Hernandez MF, Garnham J, Geddes J, Gildebro J, Gonzalez-Pinto A, Goodwin GM, Grof P, Harima H, Hassel S, Henry C, Hidalgo-Mazzei D, Kapur V, Kunigiri G, Lafer B, Larsen ER, Lewitzka U, Licht RW, Hvenegaard Lund A, Misiak B, Piotrowski P, Monteith S, Munoz R, Nakanotani T, Nielsen RE, O'Donovan C, Okamura Y, Osher Y, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Sawchuk B, Schwartz E, Scippa AM, Slaney C, Sulaiman AH, Suominen K, Suwalska A, Tam P, Tatebayashi Y, Tondo L, Vieta E, Vinberg M, Viswanath B, Volkert J, Zetin M, Whybrow PC, Bauer M: International multi-site survey on the use of online support groups in bipolar disorder. *Nordic Journal of Psychiatry* 71, 473 - 476, 2017.
239. Tobe BT, Crain AM, Winkquist AM, Calabrese B, Makihara H, Zhao W, Lalonde J, Nakamura H, Konopaske G, Sidor M, Pernia C, Yamashita N, Wada M, Inoue Y, Nakamura F, Sheridan SD, Logan R, Brandel M, Wu D, Hunsberger J, Dorsett L, Duerr C, Basa RCB, McCarthy M, Udeshi N, Mertins P, Carr SA, Rouleau G, Mastrangelo L, Li J, Gutierrez G, Brill LM, Venizelos N, Chen G, Nye JS, Manji H, Price J, McClung C, Akiskal HS, **Alda M**, Chuang DM, Coyle J, Liu Y, Teng Y, Ohshima T, Mikoshiba K, Sidman RL, Halpain S, Haggarty SJ, Goshima Y, Snyder EY: Probing the lithium response pathway in hiPSCs implicates the phosphoregulatory setpoint for a cytoskeletal modulator in bipolar pathogenesis. *Proceedings of the National Academy of Sciences of the United States* 114: E4462 - E4471, 2017.
240. **Alda M**: Psychiatric genetics - Does diagnosis matter? *Journal of Psychiatry and Neuroscience* 42: 291 - 293, 2017.
241. **Alda M**: Who are excellent lithium responders and why do they matter? *World Psychiatry* 16: 319 - 320, 2017.
242. Bauer M, Glenn T, **Alda M**, Aleksandrovich MA, Andreassen OA, Angelopoulos E, Ardaur R, Baethge C, Bauer R, Baune BT, Becerra C, Bellivier F, Belmaker RH, Berk M, Bersudsky Y, Birabwa-Oketcho H, Bjella TD, Bossini L, Cabrera J, Del Zompo M, Dodd S, Donix M, Etain B, Ezer S,

- Fagiolini A, Fountoulakis KN, Frye MA, Gonzalez-Pinto A, Gottlieb JF, Grof P, Harima H, Henry C, Isometsä ET, Janno S, Kapczinski F, Kardell M, Khaldi S, Kliwicky S, König B, Kot TL, Krogh R, Kunz M, Lafer B, Landen M, Larsen ER, Lewitzka U, Licht RW, Lopez-Jaramillo C, MacQueen G, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Melle I, Meza-Ursúa F, Ming MY, Monteith S, Morken G, Mosca E, Munoz R, Nadella RK, Nery FG, Nielsen RE, O'Donovan C, Olofsson H, Omrani A, Osher Y, Østermark-Sørensen H, Ouali U, Pica-Ruiz Y, Pilhatsch M, Pinna M, Quiroz D, Rabelo D, Ram B, Ramesar R, Rasgon N, Reddy MS, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Scippa AM, Severus E, Simhandl C, Stein DJ, Strejilevich S, Subramaniam M, Sulaiman AH, Suominen K, Tagata H, Tatebayashi Y, Tondo L, Torrent C, Veeh J, Vieta E, Vijay S, Viswanath B, Wo Cheung EY, Yoldi M, Zetin M, Zgheb Y, Whybrow PC: Solar insolation in springtime influences age of onset of bipolar disorder. *Acta Psychiatrica Scandinavica* 136: 571 - 582, 2017.
243. Manchia M, Maina G, Carpiniello B, Pinna F, Steardo L, D'Ambrosio V, Salvi V, **Alda M**, Tortorella A, Albert U: Clinical correlates of age at onset distribution in bipolar disorder: a comparison between diagnostic subgroups. *International Journal of Bipolar Disorders* 5: 28, 2017.
 244. Tondo L, Abramowicz M, **Alda M**, Bauer M, Bocchetta A, Bolzani L, Calkin CV, Chillotti C, Hidalgo-Mazzei D, Manchia M, Muller-Oerlinghausen B, Murru A, Perugi G, Pinna M, Quaranta G, Reginaldi D, Reif A, Ritter P, Rybakowski JK, Saiger D, Selle V, Stamm T, Vazquez GH, Vieta E, Volkert J, Baldessarini RJ: Long-term lithium treatment in bipolar disorder: effects on GFR and other metabolic parameters. *International Journal of Bipolar Disorders* 5: 27, 2017.
 245. MacKenzie LE, Patterson V, Zwicker A, Drobinin V, Pavlova B, Cumby J, Propper L, Abidi S, Bagnell A, Fisher H, **Alda M**, Uher R: Hot and cold executive function in youth with psychotic symptoms. *Psychological Medicine* 47: 2844 - 2853, 2017.
 246. Pavlova B, Perroud N, Cordera P, Uher R, **Alda M**, Dayer A, Aubry JM: Anxiety disorders and childhood maltreatment as predictors of outcome in bipolar disorder. *Journal of Affective Disorders* 225: 337 - 341, 2018.
 247. Amare AT, Schubert KO, Hou L, Clark SR, Papiol S, Heilbronner U, Degenhardt F, Tekola-Ayele F, Hsu Y-H, Shekhtman T, Adli M, Akula N, Arda R, Arias B, Aubry J-M, Backlund L, Bhattacharjee AK, Bellivier F, Benabarre A, Bengesser S, Biernackad JM, birner A, Brichant-Petitjean C, Bui ET, Cervantes P, Chillotti C, Cichon S, Colom F, Cruceanu C, Czerski PM, Dayer A, Del Zompo M, DePaulo JR, Étain B, Falkai P, Forstner AJ, Frisen L, Frye MA, Fullerton JM, Gard S, Garnham JS, Goes FS, Grigoriou-Serbanescu M, Grof P, Hauser J, Herms S, Hoffmann P, Hofmann A, Jamain S, Jiménez E, Kahn J-P, Kassem L, Kelsoe J, Kittel-Schneider S, Kliwicky S, König B, Lackner N, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, Maj M, Manchia M, Martinsson L, McCarthy MJ, McElroy S, Mitchell PB, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Nöthen M, Novák T, O'Donovan C, Ösby U, Pfennig A, Potash JB, Reif A, Reininghaus E, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schweizer BW, Severino G, Shilling PD, Simhandl C, Slaney CM, Squassina A, Stamm T, Stopkova P, Tighe SK, Tortorella A, Turecki G, Vieta E, Volkert J, Witt S, Wright A, Zandi PP, Bauer M, **Alda M**, Rietschel M, McMahon FJ, Schulze TG, Baune BT: Association of polygenic score for schizophrenia and HLA antigen and inflammation genes with response to lithium in bipolar affective disorder: A Genome-Wide Association Study. *JAMA Psychiatry* 75: 65 - 74, 2018.
 248. Mühleisen TW, Reinbold CS, Forstner AJ, Abramova LI, **Alda M**, Babadjanova G, Bauer M, Brennan P, Chuchalin A, Cruceanu C, Czerski PM, Degenhardt F, Fischer SB, Fullerton JM, Gordon SD, Grigoriou-Serbanescu M, Grof P, Hauser J, Hautzinger M, Herms S, Hoffmann P, Kammerer-Ciernioch J, Khusnutdinova E, Kogevinas M, Krasnov V, Lacour A, Laprise C, Leber M, Lissowska J, Lucae S, Maaser A, Maier W, Martin NG, Mattheisen M, Mayoral F, McKay JD, Medland SE, Mitchell PB, Moebus S, Montgomery GW, Müller-Myhsok B, Oruc L, Pantelejeva G, Pfennig A, Pojskic L, Polonikov A, Reif A, Rivas F, Rouleau GA, Schenk LM, Schofield PR, Schwarz M, Streit F, Strohmaier J, Szeszenia-Dabrowska N, Tiganov AS, Treutlein J, Turecki G, Vedder H, Witt SH, Schulze TG, Rietschel M, Nöthen MM, Cichon S: Gene set enrichment analysis and expression

pattern exploration implicate an involvement of neurodevelopmental processes in bipolar disorder. *Journal of Affective Disorders* 228: 20 - 25, 2018.

249. Kolenic M, Franke K, Hlinka J, Matejka M, Capkova J, Pausova Z, Uher R, **Alda M**, Spaniel F, Hajek T: Obesity, dyslipidemia and brain age in first-episode psychosis. *Journal of Psychiatric Research* 99: 151 - 158, 2018.
250. Yatham LN, Kennedy SH, Parikh SV, Schaffer A, Bond DJ, Frey BN, Sharma V, Goldstein BI, Rej S, Beaulieu S, **Alda M**, MacQueen G, Milev, RW, Vazquez G, Kapczinski F, McIntyre RS, Kozicky J, Kanba S, Lafer B, Suppes T, Calabrese JR, Vieta E, Malhi G, Post RM, Berk M: Canadian Network for Mood and Anxiety Treatments (CANMAT)/International Society for Bipolar Disorders (ISBD) 2018 guidelines for the management of patients with bipolar disorder. *Bipolar Disorders* 20: 97 - 170, 2018.
251. **Alda M**, Manchia M: Personalized management in bipolar disorder. *Neuroscience Letters* 669: 3 - 9, 2018.
252. Hibar DP, Westlye LT, Trung Doan N, Jahanshad N, Cheung JW, Ching CRK, Versace A, Bilderbeck AC, Uhlmann A, Mwangi B, Kramer B, Overs B, Bhandari Hartberg C, Abe C, Dima D, Grotegerd D, Sprooten E, Boen E, Jimenez E, Howells FM, Delvecchio G, Temmingh H, Starke J, Almeida JRC, Goikolea JM, Houenou J, Beard L, Rauer L, Abramovic L, Bonnin M, Ponteduro MF, Keil M, Rive MM, Yao N, Yalin N, Najt P, Rosa PG, Redlich R, Trost S, Hagenaars S, Fears SC, Alonso Meier S, van Erp T, Nickson T, Moukbel Chaim Avancini T, Meier TB, Elvsashagen T, Haukvik UK, Hee Lee W, Schene AH, Lloyd AJ, Young AH, Nugent A, Dale AM, Pfennig A, McIntosh AM, Lafer B, Baune BT, Ekman CJ, Zarate C, Bearden CE, Henry C, Simhandl C, Mackay CE, McDonald C, Bourne C, Stein DJ, Wolf DH, Cannon DM, Glahn DC, Veltman DJ, Pomarol Clotet E, Vieta E, Canales Rodriguez EJ, Nery FG, Duran RLS, Busatto GF, Roberts G, Pearlson GD, Goodwin GM, Kugel H, Whalley HC, Ruhe HG, Soares JC, Fullerton JM, Rybakowski J, Savitz J, Chaim KT, Fatjo Vilas M, Soeiro de Souza MG, Boks MP, Zanetti MV, Otaduy MCG, Schaufelberger MS, **Alda M**, Ingvar M, Phillips ML, Kempton MJ, Bauer M, Landen M, Lawrence NS, van Haren NEM, Horn NR, Freimer NB, Gruber O, Schofield PR, Mitchell PB, Kahn RS, Lenroot R, Machado Vieira R, Ophoff R, Sarro S, Frangou S, Satterthwaite TD, Hajek T, Dannlowski U, Malt UF, Arolt V, Gattaz WF, Drevets WC, Caseras X, Agartz I, Thompson IM, Andreassen OA: Cortical abnormalities in bipolar disorder: An MRI analysis of 6,503 individuals from the ENIGMA-Bipolar Disorder Working Group. *Molecular Psychiatry* 23: 932 - 942, 2018.
253. Pilhatsch M, Glenn T, Rasgon N, **Alda M**, Sagduyu K, Grof P, Munoz R, Marsh W, Monteith S, Severus E, Bauer R, Ritter P, Whybrow PC, Bauer M: Regularity of self-reported daily dosage of mood stabilizers and antipsychotics in patients with bipolar disorder. *International Journal of Bipolar Disorders* 6: 10, 2018.
254. Ruderfer DM, Ripke S, McQuillin A, Boocock J, Stahl EA, Pavlides JMW, Mullins N, Charney AW, Ori APS, Loohuis LMO, Domenici E, Di Florio A, Papiol S, Kalman JL, Trubetskoy V, Adolfsson R, Agartz I, Agerbo E, Akil H, Albani D, Albus M, **Alda M**, Alexander M, Alliey-Rodriguez N, Als TD, Amin F, Anjorin A, Arranz MJ, Awasthi S, Bacanu SA, Badner JA, Baekvad-Hansen M, Bakker S, Band G, Barchas JD, Barroso I, Bass N, Bauer M, Baune BT, Begemann M, Bellenguez C, Belliveau RA Jr, Bellivier F, Bender S, Bene J, Bergen SE, Berrettini WH, Bevilacqua E, Biernacka JM, Bigdeli TB, Black DW, Blackburn H, Blackwell JM, Blackwood DHR, Pedersen CB, Boehnke M, Boks M, Borglum AD, Bramon E, Breen G, Brown MA, Bruggeman R, Buccola NG, Buckner RL, Budde M, Bulik-Sullivan B, Bumpstead SJ, Bunney W, Burmeister M, Buxbaum JD, Bybjerg-Grauholm J, Byerley W, Cahn W, Cai G, Cairns MJ, Campion D, Cantor RM, Carr VJ, Carrera N, Casas JP, Casas M, Catts SV, Cervantes P, Chambert KD, Chan RCK, Chen EYH, Chen RYL, Cheng W, Cheung EFC, Chong SA, Clarke TK, Cloninger CR, Cohen D, Cohen N, Coleman JRI, Collier DA, Cormican P, Coryell W, Craddock N, Craig DW, Crespo-Facorro B, Crowley JJ, Cruceanu C, Curtis D, Czerski PM, Dale AM, Daly MJ, Dannlowski U, Darvasi A, Davidson M, Davis KL, de Leeuw CA, Degenhardt F, Del Favero J, DeLisi LE, Deloukas P, Demontis D, DePaulo JR, di Forti M, Dikeos D,

Dinan T, Djurovic S, Dobbyn AL, Donnelly P, Donohoe G, Drapeau E, Dronov S, Duan J, Dudbridge F, Duncanson A, Edenberg H, Edkins S, Ehrenreich H, Eichhammer P, Elvsashagen T, Eriksson J, Escott-Price V, Esko T, Essioux L, Etain B, Fan CC, Farh KH, Farrell MS, Flickinger M, Foroud TM, Forty L, Frank J, Franke L, Fraser C, Freedman R, Freeman C, Freimer NB, Friedman JI, Fromer M, Frye MA, Fullerton JM, Gade K, Garnham J, Gaspar HA, Gejman PV, Genovese G, Georgieva L, Giambartolomei C, Giannoulatou E, Giegling I, Gill M, Gillman M, Pedersen MG, Giusti-Rodriguez P, Godard S, Goes F, Goldstein JI, Gopal S, Gordon SD, Gordon-Smith K, Gratten J, Gray E, Green EK, Green MJ, Greenwood TA, Grigoriu-Serbanescu M, Grove J, Guan W, Gurling H, Parra JG, Gwilliam R, de Haan L, Hall J, Hall MH, Hammer C, Hammond N, Hamshire ML, Hansen M, Hansen T, Haroutunian V, Hartmann AM, Hauser J, Hautzinger M, Heilbronner U, Hellenthal G, Henskens FA, Herms S, Hipolito M, Hirschhorn JN, Hoffmann P, Hollegaard MV, Hougaard DM, Huang H, Huckins L, Hultman CM, Hunt SE, Ikeda M, Iwata N, Iyegbe C, Jablensky AV, Jamain S, Jankowski J, Jayakumar A, Joa I, Jones I, Jones LA, Jonsson EG, Julia A, Jureus A, Kahler AK, Kahn RS, Kalaydjieva L, Kandaswamy R, Karachanak-Yankova S, Karjalainen J, Karlsson R, Kavanagh D, Keller MC, Kelly BJ, Kelsoe J, Kennedy JL, Khrunin A, Kim Y, Kirov G, Kittel-Schneider S, Klovins J, Knight J, Knott SV, Knowles JA, Kogevinas M, Konte B, Kravariti E, Kucinskas V, Kucinskiene ZA, Kupka R, Kuzelova-Ptackova H, Landen M, Langford C, Laurent C, Lawrence J, Lawrie S, Lawson WB, Leber M, Leboyer M, Lee PH, Keong JLC, Legge SE, Lencz T, Lerer B, Levinson DF, Levy SE, Lewis CM, Li JZ, Li M, Li QS, Li T, Liang KY, Liddle J, Lieberman J, Limborska S, Lin K, Linszen DH, Lissowska J, Liu C, Liu J, Lonnqvist J, Loughland CM, Lubinski J, Lucae S, Macek M Jr, MacIntyre DJ, Magnusson PKE, Maher BS, Mahon PB, Maier W, Malhotra AK, Mallet J, Malt UF, Markus HS, Marsal S, Martin NG, Mata I, Mathew CG, Mattheisen M, Mattingsdal M, Mayoral F, McCann OT, McCarley RW, McCarroll SA, McCarthy MI, McDonald C, McElroy SL, McGuffin P, McInnis MG, McIntosh AM, McKay JD, McMahon FJ, Medeiros H, Medland SE, Meier S, Meijer CJ, Melegh B, Melle I, Meng F, Meshulam-Gately RI, Metspalu A, Michie PT, Milani L, Milanova V, Mitchell PB, Mokrab Y, Montgomery GW, Moran JL, Morken G, Morris DW, Mors O, Mortensen PB, Mowry BJ, Mühleisen TW, Müller-Myhsok B, Murphy KC, Murray RM, Myers RM, Myin-Germeys I, Neale BM, Nelis M, Nenadic I, Nertney DA, Nestadt G, Nicodemus KK, Nievergelt CM, Nikitina-Zake L, Nimgaonkar V, Nisenbaum L, Nordentoft M, Nordin A, Nöthen MM, Nwulia EA, O'Callaghan E, O'Donovan C, O'Dushlaine C, O'Neill FA, Oedegaard KJ, Oh SY, Olincy A, Olsen L, Oruc L, Van Os J, Owen MJ, Paciga SA, Palmer CNA, Palotie A, Pantelis C, Papadimitriou GN, Parkhomenko E, Pato C, Pato MT, Paunio T, Pearson R, Perkins DO, Perlis RH, Perry A, Pers TH, Petryshen TL, Pfennig A, Picchioni M, Pietilainen O, Pimm J, Pirinen M, Plomin R, Pocklington AJ, Posthuma D, Potash JB, Potter SC, Powell J, Price A, Pulver AE, Purcell SM, Quedsted D, Ramos-Quiroga JA, Rasmussen HB, Rautanen A, Ravindrarajah R, Regeer EJ, Reichenberg A, Reif A, Reimers MA, Ribases M, Rice JP, Richards AL, Ricketts M, Riley BP, Rivas F, Rivera M, Roffman JL, Rouleau GA, Roussos P, Rujescu D, Salomaa V, Sanchez-Mora C, Sanders AR, Sawcer SJ, Schall U, Schatzberg AF, Scheftner WA, Schofield PR, Schork NJ, Schwab SG, Scolnick EM, Scott LJ, Scott RJ, Seidman LJ, Serretti A, Sham PC, Weickert CS, Shehktman T, Shi J, Shilling PD, Sigurdsson E, Silverman JM, Sim K, Slaney C, Slominsky P, Smeland OB, Smoller JW, So HC, Sobell JL, Soderman E, Hansen CS, Spencer CCA, Spijker AT, St Clair D, Stefansson H, Stefansson K, Steinberg S, Stogmann E, Stordal E, Strange A, Straub RE, Strauss JS, Streit F, Strengman E, Strohmaier J, Stroup TS, Su Z, Subramaniam M, Suvisaari J, Svrakic DM, Szatkiewicz JP, Szelinger S, Tashakkori-Ghanbaria A, Thirumalai S, Thompson RC, Thorgeirsson TE, Toncheva D, Tooney PA, Tosato S, Touloupoulou T, Trembath RC, Treutlein J, Trubetskoy V, Turecki G, Vaaler AE, Vedder H, Vieta E, Vincent J, Visscher PM, Viswanathan AC, Vukcevic D, Waddington J, Waller M, Walsh D, Walshe M, Walters JTR, Wang D, Wang Q, Wang W, Wang Y, Watson SJ, Webb BT, Weickert TW, Weinberger DR, Weisbrod M, Weiser M, Werge T, Weston P, Whittaker P, Widaa S, Wiersma D, Wildenauer DB, Williams NM, Williams S, Witt SH, Wolen AR, Wong EHM, Wood NW, Wormley BK, Wu JQ, Xi S, Xu W, Young AH, Zai CC, Zandi P, Zhang P, Zheng X, Zimprich

- F, Zollner S, Corvin A, Fanous AH, Cichon S, Rietschel M, Gershon ES, Schulze TG, Cuellar-Barboza AB, Forstner AJ, Holmans PA, Nurnberger JI, Andreassen OA, Lee SH, O'Donovan MC, Sullivan PF, Ophoff RA, Wray NR, Sklar P, Kendler K: Genomic dissection of bipolar disorder and schizophrenia, including 28 subphenotypes. *Cell* 173: 1705 - 1715, 2018.
255. Stern S, Santos R, Marchetto MC, Mendes APD, Rouleau GA, Biesmans S, Wang Q-W, Yao J, Charnay P, Bang AG, **Alda M**, Gage FH: Neurons derived from patients with bipolar disorder divide into intrinsically different sub-populations of neurons, predicting the patients' responsiveness to lithium. *Molecular Psychiatry* 23: 1453 - 1465, 2018.
 256. Anttila V, Bulik-Sullivan B, Finucane HK, Walters R, Bras J, Duncan L, Escott-Price V, Falcone G, Gormley P, Malik R, Patsopoulos N, Ripke S, Wei Z, Yu D, Lee PH, Turley P, Grenier-Boley B, Chouraki V, Kamatani Y, Berr C, Letenneur L, Hannequin D, Amouyel P, Boland A, Deleuze J-F, Duron E, Vardarajan BN, Reitz C, Goate AM, Huentelman MJ, Kamboh MI, Larson EB, Rogaeva E, St George-Hyslop P, Hakonarson H, Kukull WA, Farrer LA, Barnes LL, Beach TG, Demirci FY, Head E, Hulette CM, Jicha GA, Kauwe JSK, Kaye JA, Leverenz JB, Levey AI, Lieberman AP, Pankratz VS, Poon WW, Quinn JF, Saykin AJ, Schneider LS, Smith AG, Sonnen JA, Stern RA, Van Deerlin VM, Van Eldik LJ, Harold D, Russo G, Rubinsztein DC, Bayer A, Tsolaki M, Proitsi P, Fox NC, Hampel H, Owen MJ, Mead S, Passmore P, Morgan K, Rossor M, Lupton M, Hoffmann P, Kornhuber J, Lawlor B, McQuillin A, Al-Chalabi A, Bis JC, Ruiz A, Boada M, Seshadri S, Beiser A, Rice K, van der Lee S, De Jager PL, Geschwind DH, Riemenschneider M, Riedel-Heller S, Rotter JI, Ransmayr G, Hyman BT, Cruchaga C, Alegret M, Winsvold B, Palta P, Farh K-H, Cuenca-Leon E, Furlotte N, Kurth T, Ligthart L, Terwindt G, Freilinger T, Ran C, Gordon S, Borck G, Adams H, Lehtimäki T, Wedenoja J, Buring J, Schürks M, Hrafnisdottir M, Hottenga J-J, Penninx B, Artto V, Kaunisto M, Vepsäläinen S, Martin N, Montgomery G, Kurki M, Hämäläinen E, Huang H, Huang J, Sandor C, Webber C, Muller-Myhsok B, Schreiber S, Salomaa V, Loehrer E, Göbel H, Macaya A, Pozo-Rosich P, Hansen T, Werge T, Kaprio J, Metspalu A, Ferrari M, Belin A, Maagdenberg A, Zwart J-A, Boomsma D, Eriksson N, Olesen J, Chasman D, Nyholt D, Avbersek A, Baum L, Berkovic S, Bradfield J, Buono R, Catarino CB, Cossette P, Jonghe P, Depondt C, Dlugos D, Ferraro T, French J, Hjalgrim H, Jamnadas-Khoda J, Kälviäinen R, Kunz W, Lerche H, Leu C, Lindhout D, Lo W, Lowenstein D, McCormack M, Møller R, Molloy A, Ng P-W, Oliver K, Privitera M, Radtke R, Ruppert A-K, Sander T, Schachter S, Schankin C, Scheffer I, Schoch S, Sisodiya S, Smith P, Sperling M, Striano P, Surges R, Thomas NG, Visscher F, Whelan CD, Zara F, Heinzen E, Marson A, Becker F, Stroink H, Zimprich F, Gasser T, Gibbs R, Heutink P, Martinez M, Morris H, Sharma M, Ryten M, Mok B, Pulit S, Bevan S, Holliday E, Attia J, Battey T, Boncoraglio G, Thijs V, Chen W-M, Mitchell B, Rothwell P, Sharma P, Sudlow C, Vicente A, Markus H, Kourkoulis C, Pera J, Raffeld M, Silliman S, Boraska Perica V, Thornton LM, Huckins LM, Rayner NW, Lewis CM, Gratacos M, Rybakowski F, Keski-Rahkonen A, Raevuori A, Hudson JI, Reichborn-Kjennerud T, Monteleone P, Karwautz A, Mannik K, Baker JH, O'Toole JK, Trace SE, Davis OSP, Helder S, Ehrlich S, Herpetz-Dahlmann B, Danner UN, van Elburg AA, Clementi M, Forzan M, Docampo E, Lissowska J, Hauser J, Tortorella A, Gonidakis F, Tziouvas K, Papezova H, Yilmaz Z, Wagner G, Cohen-Woods S, Herms S, Julia A, Rabionet R, Dick DM, Ripatti S, Andreassen OA, Espeseth T, Lundervold A, Steen VM, Pinto D, Scherer SW, Aschauer H, Schosser A, Alfredsson L, Padyukov L, Halmi KA, Mitchell J, Strober M, Bergen AW, Kaye W, Szatkiewicz JP, Cormand B, Ramos-Quiroga JA, Sánchez-Mora C, Ribasés M, Casas M, Hervas A, Arranz M-J, Haavik J, Zayats T, Johansson S, Williams N, Dempfle A, Rothenberger A, Kuntsi J, Oades RD, Banaschewski T, Franke B, Buitelaar JK, Vasquez AA, Doyle AE, Reif A, Lesch K-P, Freitag C, Rivero O, Palmason H, Romanos M, Langley K, Rietschel M, Witt SH, Dalsgaard S, Børglum A, Waldman I, Wilmot B, Molly N, Bau C, Crosbie J, Schachar R, Loo SK, McGough JJ, Grevet E, Medland SE, Robinson E, Weiss L, Bacchelli E, Bailey A, Bal V, Battaglia A, Betancur C, Bolton P, Cantor R, Celestino-Soper P, Dawson G, De Rubeis S, Duque F, Green A, Klauck SM, Leboyer M, Levitt P, Maestrini E, Mane S, Moreno De Luca D, Parr J, Regan R, Reichenberg A, Sandin S, Vorstman J, Wassink T, Wijsman E, Cook E, Santangelo S, Delorme R,

Rogé B, Magalhaes T, Arking D, Schulze TG, Thompson RC, Strohmaier J, Matthews K, Melle I, Morris D, Blackwood D, McIntosh A, Bergen SE, Schalling M, Jamain S, Maaser A, Fischer SB, Reinhold CS, Fullerton JM, Guzman-Parra JG, Mayoral F, Schofield PR, Cichon S, Mühleisen TW, Degenhardt F, Schumacher J, Bauer M, Mitchell PB, Gershon ES, Rice J, Potash JB, Zandi PP, Craddock N, Ferrier IN, **Alda M**, Rouleau GA, Turecki G, Ophoff R, Pato C, Anjorin A, Stahl E, Leber M, Czerski PM, Cruceanu C, Jones IR, Posthuma D, Andlauer T, Forstner AJ, Streit F, Baune BT, Air T, Sinnamon G, Wray N, MacIntyre D, Porteous D, Homuth G, Rivera M, Grove J, Middeldorp C, Hickie I, Pergadia M, Mehta D, Smit JH, Jansen R, de Geus E, Dunn E, Li Q, Nauck M, Schoevers RA, Beekman ATF, Knowles JA, Viktorin A, Arnold P, Barr C, Bedoya-Berrio G, Bienvenu O, Brentani H, Burton C, Camarena B, Cappi C, Cath D, Cavallini M, Cusi D, Darrow S, Denys D, Derks E, Dietrich A, Fernandez T, Figuee M, Freimer N, Gerber G, Grados M, Greenberg E, Hartmann A, Hirschtritt M, Hoekstra P, Huang A, Huyser C, Illmann C, Jenike M, Kuperman S, Leventhal B, Lochner C, Lyon G, Macciardi F, Madruga-Garrido M, Malaty IA, Maras A, McGrath L, Miguel E, Mir P, Nicolini H, Okun MS, Pakstis A, Piacentini J, Pittenger C, Plessen K, Ramensky V, Ramos EM, Reus V, Richter M, Riddle M, Robertson M, Roessner V, Rosário M, Sandor P, Stein D, Tsetos F, Van Nieuwerburgh F, Weatherall S, Wendland J, Wolanczyk T, Worbe Y, Goes F, McLaughlin N, Nestadt PS, Grabe H-J, Depienne C, Konkashbaev A, Lanzagorta N, Valencia-Duarte A, Bramer E, Buccola N, Cahn W, Cairns M, Chong S, Cohen D, Crespo-Facorro B, Crowley J, Davidson M, DeLisi L, Dinan T, Donohoe G, Drapeau E, Duan J, Haan L, Hougaard D, Karachanak-Yankova S, Khrunin A, Klovins J, Kucinas V, Chee Keong JL, Limborska S, Loughland C, Lönnqvist J, Maher B, Mattheisen M, McDonald C, Murphy K, Nenadic I, Os J, Pantelis C, Pato M, Petryshen T, Quested D, Roussos P, Sanders A, Schall U, Schwab S, Sim K, So H-C, Stögmann E, Subramaniam M, Toncheva D, Waddington J, Walters J, Cheng W, Cloninger R, Curtis D, Henskens F, Mattingsdal M, Oh S-Y, Scott R, Webb B, Churchhouse C, Breen G, Bulik C, Daly M, Dichgans M, Faraone SV, Guerreiro R, Holmans P, Kendler K, Koeleman B, Mathews CA, Price A, Scharf J, Sklar P, Williams J, Wood N, Cotsapas C, Palotie A, Smoller J, Sullivan P, Rosand J, Corvin A, Neale BM, on behalf of the Brainstorm consortium: Analysis of shared heritability in common disorders of the brain. *Science* 360: 8757, 2018.

257. Reinhold CS, Forstner AJ, Hecker J, Fullerton JM, Hoffmann P, Hou L, Heilbronner U, Degenhardt F, Adli M, Akiyama K, Akula N, Arda R, Arias B, Backlund L, Benabarre A, Bengesser S, Bhattacharjee AK, Biernacka JM, Birner A, Marie-Claire C, Cervantes P, Chen G-B, Chen H-C, Chillotti C, Clark SR, Colom F, Cousins DA, Cruceanu C, Czerski PM, Dayer A, Etain B, Falkai P, Frisé L, Gard S, Garnham JS, Goes FS, Grof P, Gruber O, Hashimoto R, Hauser J, Herms S, Jamain S, Jiménez E, Kahn J-P, Kassem L, Kittel-Schneider S, Kliwicki S, König B, Kusumi I, Lackner N, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband B, López Jaramillo CA, MacQueen G, Manchia M, Martinsson L, Mattheisen M, McCarthy MJ, McElroy SL, Mitjans M, Mondimore FM, Montelone P, Nievergelt CM, Ösby U, Ozaki N, Perlis RH, Pfennig A, Reich-Erkelenz D, Rouleau GA, Schofield PR, Schubert KO, Schweizer BW, Seemüller F, Severino G, Shekhtman T, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Smoller JW, Squassina A, Stamm T, Stopkova P, Tighe SK, Tortorella A, Turecki G, Volkert J, Witt SH, Wright AJ, Young LT, Zandi P, Potash JB, DePaulo JR, Bauer M, Reininghaus E, Novák T, Aubry J-M, Maj M, Baune BT, Mitchell PB, Vieta E, Frye MA, Rybakowski JK, Kuo P-H, Kato T, Grigoriou-Serbanescu M, Reif A, Del Zompo M, Bellivier F, Schalling M, Wray N, Kelsoe JR, **Alda M**, McMahon FJ, Schulze TG, Rietschel M, Nöthen MM, Cichon S: Analysis of the influence of microRNAs in lithium response in bipolar disorder. *Frontiers in Psychiatry* 9: 207, 2018.
258. Vošahlíková M, Ujcikova H, Hlouskova M, Musil S, Roubalova L, **Alda M**, Svoboda P: Induction of oxidative stress by long-term treatment of live HEK293 cells with therapeutic concentration of lithium is associated with down-regulation of δ -opioid receptor amount and function. *Biochemical Pharmacology* 154: 452 - 463, 2018.
259. Bauer R, Glenn T, Strejilevich S, Conell J, **Alda M**, Arda R, Baune BT, Berk M, Bersudsky Y,

- Bilderbeck A, Bocchetta A, Castro AMP, Cheung EYW, Chillotti C, Choppin S, Cuomo A, Del Zompo M, Dias R, Dodd S, Duffy A, Etain B, Fagiolini A, Fernández Hernandez M, Garnham J, Geddes J, Gildebroy J, Gitlin MJ, Gonzalez-Pinto A, Goodwin GM, Grof P, Harima H, Hassel S, Henry C, Hidalgo-Mazzei D, Lund AH, Kapur V, Kunigiri G, Lafer B, Larsen ER, Lewitzka U, Licht RW, Misiak B, Piotrowski P, Miranda-Scippa Â, Monteith S, Munoz R, Nakanotani T, Nielsen RE, O'Donovan C, Okamura Y, Osher Y, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Sawchuk B, Schwartz E, Slaney C, Sulaiman AH, Suominen K, Suwalska A, Tam P, Tatebayashi Y, Tondo L, Veeh J, Vieta E, Vinberg M, Viswanath B, Zetin M, Whybrow PC, Bauer M: Internet use by older adults with bipolar disorder: international survey results. *International Journal of Bipolar Disorders* 6: 20, 2018.
260. Ortiz A, **Alda M***: The perils of being too stable: Mood regulation in bipolar disorder. *Journal of Psychiatry & Neuroscience* 43: 363 - 365, 2018.
 261. Cruceanu C, Schmouh J-F, Torres-Platas SG, Lopez JP, Ambalavanan A, Darq E, Gross F, Breton B, Spiegelman D, Rochefort D, Hince P, Petite JM, Gauthier J, Lafreniere RA, Dion PA, Greenwood CM, Kieffer BL, **Alda M**, Turecki G, Rouleau GA: Rare susceptibility variants for bipolar disorder suggest a role for G protein-coupled receptors. *Molecular Psychiatry* 23: 2050 - 2056, 2018.
 262. Papiol S, Schulze TG, **Alda M***: Genetics of lithium response in bipolar disorder. *Pharmacopsychiatry* 51: 206 - 211, 2018.
 263. De Jong S, Abdalla Diniz MJ, Saloma A, Gadelha A, Santoro ML, Ota VK, Noto C, Wray NR, Ripke S, Mattheisen M, Trzaskowski M, Byrne EM, Abdellaoui A, Adams MJ, Agerbo E, Air TM, Andlauer TFM, Bacanu S-A, Baekvad-Hansen M, Beekman ATF, Bigdeli TB, Binder EB, Blackwood DHR, Bryois J, Buttenschøn HN, Bybjerg-Grauholm J, Cai N, Castela E, Hvarregaard Christensen J, Clarke T-K, Coleman JRI, Colodro-Conde L, Couvy-Duchesne B, Craddock N, Crawford GE, Davies G, Deary IJ, Degenhardt F, Derks EM, Direk N, Dolan CV, Dunn EC, Eley TC, Escott-Price V, Farhadi Hassan Kiadeh F, Finucane HK, Forstner AJ, Frank J, Gaspar HA, Gill M, Goes FS, Gordon SD, Grove J, Sørensen Hansen C, Hansen TF, Herms S, Hickie IB, Hoffmann P, Homuth G, Horn C, Hottenga J-J, Hougaard DM, Ising M, Jansen R, Jones I, Jones LA, Jorgenson E, Knowles JA, Kohane IS, Kraft J, Kretschmar WW, Krogh J, Kutalik Z, Li Y, Lind PA, MacIntyre DJ, MacKinnon DF, Maier RM, Maier W, Marchini J, Mbarek H, McGrath P, McGuffin P, Medland SE, Mehta D, Middeldorp CM, Mihailov E, Milanese Y, Milani L, Mondimore RM, Montgomery GW, Mostafavi S, Mullins N, Nauck M, Ng B, Nivard MG, Nyholt DR, Oskarsson H, Owen MJ, Painter JN, Bøcker Pedersen C, Giørtz Pedersen M, Peterson RE, Pettersson E, Peyrot WJ, Pistis G, Posthuma D, Quiroz JA, Qvist P, Rice JP, Riley BP, Rivera M, Saeed Mirza S, Schoevers R, Schulte EC, Shen L, Shyn SI, Sigurdsson E, Sinnamoni GCB, Smit JH, Smith DJ, Stefansson H, Steinberg S, Streit F, Strohmaier J, Tansey KE, Teismann H, Teumer A, Thompson W, Thomson PA, Thorgeirsson TE, Traylor M, Treutlein J, Trubetskoy V, Uitterlinden AG, Umbricht D, Van der Auwera S, van Hemert AM, Viktorin A, Visscher PM, Wang Y, Webb BT, Weinsheimer SM, Wellmann J, Willemsen G, Witt SH, Wu Y, Xi HS, Yang J, Zhang F, Arolt V, Baune BT, Berger K, Boomsma DI, Cichon S, Dannlowski U, de Geus EJC, DePaulo JR, Domenici E, Domschke K, Esko T, Grabe HJ, Hamilton SP, Hayward C, Heath AC, Kendler KS, Kloiber S, Lewis G, Li QS, Lucae S, Madden PAF, Magnusson PK, Martin NG, McIntosh AM, Metspalu A, Mors O, Mortensen PB, Müller-Myhsok B, Nordentoft M, Nöthen MM, O'Donovan MC, Paciga SA, Pedersen NL, Penninx BWJH, Perlis RH, Porteous DJ, Potash JB, Preisig M, Rietschel M, Schaefer C, Schulze TG, Smoller JW, Stefansson K, Tiemeier H, Uher R, Völzke H, Weissman MM, Werge T, Lewis CM, Levinson DF, Børglum AD, Sullivan PF, Meier S, Strauss J, Xu W, Vincent JB, Matthews K, Ferreira M, O'Dushlaine C, Purcell S, Raychaudhuri S, Ruderfer DM, Sklar P, Scott LJ, Flickinger M, Burmeister M, Li J, Guan W, Absher D, Thompson RC, Meng FG, Schatzberg AF, Bunney WE, Barchas JD, Watson SJ, Myers RM, Akil H, Boehnke M, Chambert K, Moran J, Scolnick E, Djurovic S, Melle I, Morken G, Corvin A, Anjorin A, Kandaswamy R, Lawrence J, McLean AW, Pickard BS, Bergen SE, Nimgaonkar V, Landén M, Schalling M, Osby U, Backlund L, Frisén L, Langstrom N, Stahl E, Dobbyn A, Jamain S,

- Étain B, Bellivier F, Leber M, Maaser A, Fischer SB, Reinbold CS, Kittel-Schneider S, Fullerton JM, Oruč L, Para JG, Mayoral F, Rivas F, Czerski PM, Kammerer-Ciernioch J, Vedder H, Borrmann-Hassenbach M, Pfennig A, Brennan P, McKay JD, Kogevinas M, Schwarz M, Schofield PR, Mühleisen TW, Schumacher J, Bauer M, Wright A, Mitchell PB, Hautzinger M, Kelsoe JR, Greenwood TA, Nievergelt CM, Shilling PD, Smith EN, Bloss CS, Edenberg HJ, Koller DL, Gershon ES, Liu C, Badner JA, Scheftner WA, Lawson WB, Nwulia EA, Hipolito M, Coryell W, Rice J, Byerley W, McMahon FJ, Lohoff FW, Zandi PP, Mahon PB, McInnis MG, Zöllner S, Zhang P, Szelinger S, St. Clair D, Caesar S, Gordon-Smith K, Fraser C, Green EK, Grozeva D, Hamshire ML, Kirov G, Nikolov I, Collier DA, Elkin A, Williamson R, Young AH, Ferrier IN, Milanova V, **Alda M**, Cervantes P, Cruceanu C, Rouleau GA, Turecki G, Paciga S, Winslow AR, Grigoriou-Serbanescu M, Ophoff R, Adolfsson R, Nordin Adolfsson A, Del-Favero J, Pato C, Biernacka JM, Frye MA, Morris D, Schork NJ, Reif A, Lissowska J, Hauser J, Szeszenia-Dabrowska N, McGhee K, Quinn E, Moskvina V, Holmans PA, Farmer A, Kennedy JL, Andreassen OA, Mattingdal M, Gill M, Bass NJ, Gurling H, McQuillin A, Breuer R, Hultman C, Lichtenstein P, Huckins LM, Leboyer M, Lathrop M, Nurnberger J, Steffens M, Foroud TM, Berrettini WH, Craig DW, Shi J, Curtis C, Newhouse SJ, Patel H, Hall LS, O'Reilly PF, Belangero SI, Bressan RA, Breen G: Applying polygenic risk scoring for psychiatric disorders to a large family with bipolar disorder and major depressive disorder. *Communications Biology* 1: 163, 2018.
264. Parker G, Tavella G, MacQueen G, Berk M, Grunze H, Deckersbach T, Dunner DL, Sajatovic M, Amsterdam JD, Ketter TA, Yatham LN, Kessing LV, Bassett D, Zimmerman M, Fountoulakis KN, Duffy A, **Alda M**, Calkin C, Sharma V, Anand A, Singh MK, Hajek T, Boyce P, Frey BN, Castle DJ, Young AH, Vieta E, Rybakowski JK, Swartz HA, Schaffer A, Murray G, Bayes A, Lam RW, Bora E, Post RM, Ostacher MJ, Lafer B, Cleare AJ, Burdick KE, O'Donovan C, Ortiz A, Henry C, Kanba S, Rosenblatt JD, Parikh SV, Bond DJ, Grunenbaum MF, Frangou S, Goldberg JF, Orum M, Osser DN, Frye MA, McIntyre RS, Fagiolini A, Manicavasagar V, Carlson GA, Malhi GS: Revising DSM-5 criteria for the bipolar disorders: Phase I of the AREDOC project. *Australia and New Zealand Journal of Psychiatry* 52: 1173 - 1182, 2018.
 265. Hajek T, Franke K, Kolenic M, Capkova J, Matejka M, Propper L, Uher R, Stopkova P, Novak T, Paus T, Kopecek M, Spaniel F, **Alda M***: Brain age in early stages of bipolar disorders or schizophrenia. *Schizophrenia Bulletin* 45: 190 - 198, 2019.
 266. Ortiz A, Bradler K, Garnham J, Slaney C, MacLean S, **Alda M***: Nonlinear dynamics of mood regulation in unaffected first-degree relatives of bipolar disorder patients. *Journal of Affective Disorders* 243: 274 - 279, 2019.
 267. McCarthy M, Wei H, Nievergelt C, Stautland A, Maihofer A, Welsh D, Shilling P, **Alda M**, Alliey-Rodriguez N, Anand A, Andreassen O, Balaraman Y, Berrettini W, Bertram H, Brennand K, Calabrese J, Calkin C, Claasen A, Conroy C, Coryell W, Craig D, D'Arcangelo N, Demodena A, Djurovic S, Feeder S, Fisher C, Frazier N, Frye M, Gage F, Gao K, Garnham J, Gershon E, Glazer K, Goes F, Goto T, Harrington G, Jakobsen P, Kamali M, Karberg E, Kelly M, Leckband S, Lohoff F, McInnis M, Mondimore F, Morken G, Nurnberger J, Obral S, Oedegaard K, Ortiz A, Ritchey M, Ryan K, Schinagle M, Schoeyen H, Schwebel C, Shaw M, Shekhtman T, Slaney C, Stapp E, Szelinger S, Tarwater B, Zandi B, Kelsoe J: Chronotype and cellular circadian rhythms predict the clinical response to lithium maintenance treatment in patients with bipolar disorder. *Neuropsychopharmacology* 44: 620 - 628, 2019.
 268. Kalman JL, Papiol S, Heilbronner U, Adli M, Adorjan K, Akula N, **Alda M**, Anderson-Schmidt H, Andlauer TF, Anghelescu I-G, Ardaur R, Arias B, Arolt V, Aubry J-M, Backlund L, Bartholdi K, Bauer M, Baune BT, Becker T, Bellivier F, Benabarre A, Bengesser S, Bhattacharjee AK, Biernacka JM, Birner A, Brichant-Petitjean C, Budde M, Cervantes P, Chillotti C, Cichon S, Clark SR, Colom F, Comes AL, Cruceanu C, Czerski PM, Dannlowski U, Dayer A, Degenhardt F, Del Zompo M, DePaulo JR, Dietrich D, Étain B, Ethofer T, Falkai P, Fallgatter A, Figge C, Flatau L, Folkerts H, Forstner AJ, Frisen L, Frye MA, Fullerton JM, Gade K, Gard S, Garnham JS, Goes FS, Grigoriou-

- Serbanescu M, Gryaznova A, Hake M, Hauser J, Herms S, Hoffmann P, Hofmann A, Hou L, Jäger M, Jamain S, Jiménez E, Juckel G, Kahn JP, Kassem L, Kelsoe J, Kittel-Schneider S, Kliwicksi S, Klöhn-Saghatolislam F, Koller M, König B, Konrad C, Lackner N, Laje G, Landén M, Lang F, Lavebratt C, Leboyer M, Leckband SG, Maj M, Manchia M, Martinsson L, McCarthy MJ, McElroy S, McMahon FJ, Mitchell PB, Mitjans M, Mondimore FM, Monteleone P, Nieratschker V, Nievergelt CM, Nöthen M, Novák T, Ösby U, Pfennig A, Potash JB, Reich-Erkelenz D, Reif A, Reimer J, Reininghaus E, Reitt M, Rietschel M, Ripke S, Rouleau GA, Rybakowski JK, Schalling M, Scherk H, Schmauß M, Schofield PR, Schubert KO, Schulte E, Schulz S, Schweizer BW, Senner F, Severino G, Shekhtman T, Shilling PD, Simhandl C, Slaney CM, Solmonsson L, Spitzer C, Squassina A, Stamm T, Stegmaier S, Stierl S, Stopkova P, Strohmaier J, Thiel A, Tighe SK, Tortorella A, Turecki G, Veeh J, Vieta E, Volkert J, von Hagen M, Wigand M, Wiltfang J, Witt S, Wright A, Zandi PP, Zimmermann J, Schulze TG: Investigating polygenic burden in age at disease onset in bipolar disorder: Findings from an international multicentric study. *Bipolar Disorders* 21: 68 - 75, 2019.
269. Aylott A, Zwicker A, MacKenzie L, Cumby J, Propper L, Abidi S, Bagnell A, Fisher H, Pavlova B, **Alda M**, Uher R: Like father like daughter: Sex-specific parent of origin effects in the transmission of liability for psychotic symptoms to offspring. *Journal of Developmental Origins of Health and Disease* 10: 100 - 107, 2019
270. Drobinin V, Slaney C, Garnham J, Propper L, Uher R, **Alda M**, Hajek T: Larger right inferior frontal gyrus volume and surface area in participants at genetic risk for bipolar disorders. *Psychological Medicine* 49: 1308 - 1315, 2019.
271. Stahl EA, Breen G, Forstner AJ, McQuillin A, Ripke S, Trubetskoy V, Mattheisen M, Wang Y, Coleman JRI, Gaspar HA, de Leeuw CA, Steinberg S, Whitehead Pavlides JM, Trzaskowski M, Byrne EM, Pers TH, Holmans PA, Richards AL, Abbott L, Agerbo E, Akil H, Albani D, Alliey-Rodriguez N, Als TD, Anjorin A, Antilla V, Awasthi S, Badner JA, Bækvad-Hansen M, Barchas JD, Bass N, Bauer M, Belliveau R, Bergen SE, Bøcker Pedersen C, Bøen E, Boks MP, Boocock J, Budde M, Bunney W, Burmeister M, Bybjerg-Grauholm J, Byerley W, Casas M, Cerrato F, Cervantes P, Chambert K, Charney AW, Chen D, Churchhouse C, Clarke T-K, Coryell W, Craig DW, Cruceanu C, Curtis D, Czerski PM, Dale AM, de Jong S, Degenhardt F, Del-Favero J, DePaulo JR, Djurovic S, Dobbyn AL, Dumont A, Elvsåshagen T, Escott-Price V, Fan CC, Fischer SB, Flickinger M, Foroud TM, Forty L, Frank J, Fraser C, Freimer NB, Frisén L, Gade K, Gage D, Garnham J, Giambartolomei C, Giørtz Pedersen M, Goldstein J, Gordon SD, Gordon-Smith K, Green EK, Green MJ, Greenwood TA, Grove J, Guan W, Guzman Parra J, Hamshire ML, Hautzinger M, Heilbronner U, Herms S, Hipolito M, Hoffmann P, Holland D, Huckins L, Jamain S, Johnson JS, Juréus A, Kandaswamy R, Karlsson R, Kennedy JL, Kittel-Schneider S, Knowles JA, Kogevinas M, Koller AC, Kupka R, Lavebratt C, Lawrence J, Lawson WB, Leber M, Lee PH, Levy SE, Li JZ, Liu C, Lucae S, Maaser A, MacIntyre DJ, Mahon PB, Maier W, Martinsson L, McCarroll S, McGuffin P, McInnis MG, McKay JD, Medeiros H, Medland SE, Meng F, Milani L, Montgomery GW, Morris DW, Mühleisen TW, Mullins N, Nguyen H, Nievergelt CM, Nordin Adolfsson A, Nwulia EA, O'Donovan C, Olde Loohuis LM, Ori APS, Oruc L, Ösby U, Perlis RH, Perry A, Pfennig A, Potash JB, Purcell SM, Regeer EJ, Reif A, Reinbold CS, Rice JP, Rivas F, Rivera M, Roussos P, Ruderfer DM, Ryu E, Sánchez-Mora C, Schatzberg AF, Scheftner WA, Schork NJ, Shannon Weickert C, Shekhtman T, Shilling PD, Sigurdsson E, Slaney C, Smeland OB, Sobell JL, Söholm Hansen C, Spijker AT, St Clair D, Steffens M, Strauss JS, Streit F, Strohmaier J, Szelinger S, Thompson RC, Thorgeirsson TE, Treutlein J, Vedder H, Wang W, Watson SJ, Weickert TW, Witt SH, Xi S, Xu W, Young AH, Zandi P, Zhang P, Zöllner S, eQTLGen Consortium, BIOS Consortium, Adolfsson R, Agartz I, **Alda M**, Backlund L, Baune BT, Bellivier F, Berrettini WH, Biernacka JM, Blackwood DHR, Boehnke M, Børglum AD, Corvin A, Craddock N, Daly MJ, Dannlowski U, Esko T, Etain B, Frye M, Fullerton JM, Gershon ES, Gill M, Goes F, Grigoriu-Serbanescu M, Hauser J, Hougaard DM, Hultman CM, Jones I, Jones LA, Kahn RS, Kirov G, Landén M, Leboyer M, Lewis CM, Li QS, Lissowska J, Martin NG, Mayoral F, McElroy SL, McIntosh AM, McMahon FJ, Melle I, Metspalu A, Mitchell PB, Morken G, Mors O,

- Mortenson PB, Müller-Myhsok B, Myers RM, Neale BM, Nimgaonkar V, Nordentoft M, Nöthen MM, O'Donovan MC, Oedegaard KJ, Owen MJ, Paciga SA, Pato C, Pato MT, Posthuma D, Ramos-Quiroga JA, Ribasés M, Rietschel M, Rouleau GA, Schalling M, Schofield PR, Schulze TG, Serretti A, Smoller JW, Stefansson H, Stefansson K, Stordal E, Sullivan PF, Turecki G, Vaaler AE, Vieta E, Vincent JB, Werge T, Nurnberger JI, Wray NR, DiFlorio A, Edenberg HJ, Cichon S, Ophoff RA, Scott LJ, Andreassen OA, Sklar P, Kelsoe J: Genome-wide association study identifies 30 loci associated with bipolar disorder. *Nature Genetics* 51: 793 - 803, 2019.
272. Bauer M, Glenn T, **Alda M**, Andreassen O, Angelopoulos E, Ardu R, Ayhan Y, Baethge C, Bauer R, Baune BT, Becerra-Palars C, Bellivier F, Belmaker RH, Berk M, Bersudsky Y, Bickakci S, Birabwa-Oketcho H, Bjella TD, Cabrera J, Wo Cheung EY, Del Zompo M, Dodd S, Donix M, Etain B, Fagioli A, Fountoulakis KN, Frye MA, Gonzalez-Pinto A, Gottlieb JF, Grof P, Harima H, Henry C, Isometsa ET, Janno S, Kapczynski F, Kardell M, Khaldi S, Kliwicki S, Konig B, Kot TL, Krogh R, Kunz M, Lafer B, Landen M, Larsen ER, Lewitzka U, Licht RW, Lopez-Jaramillo C, MacQueen G, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Melle I, Meza-Ursua F, Ming MY, Monteith S, Morken G, Mosca E, Mozzhegorov AA, Munoz R, Mythri SV, Nacef F, Nadella RK, Nery FG, Nielsen RE, O'Donovan C, Omrani A, Osher Y, Sorensen HO, Ouali U, Ruiz YP, Pilhatsch M, Pinna M, da Ponte FDR, Quiroz D, Ramesar R, Rasgon N, Reddy MS, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Raghuraman BS, Scippa AM, Severus E, Simhandl C, Stackhouse PW Jr, Stein DJ, Strejilevich S, Subramaniam M, Sulaiman AH, Suominen K, Tagata H, Tatebayashi Y, Tondo L, Torrent C, Vaaler AE, Vares E, Veeh J, Vieta E, Viswanath B, Yoldi-Negrete M, Zetin M, Zgueb Y, Whybrow PC: Association between solar insolation and a history of suicide attempts in bipolar I disorder. *Journal of Psychiatric Research* 113: 1 - 9, 2019.
273. Mullins N, Bigdeli TB, Børghlum AD, Coleman JRI, Demontis D, Mehta D, Power RA, Ripke S, Stahl EA, Starnawska A, Anjorin A, Corvin A, Sanders AR, Forstner AJ, Reif A, Koller AC, Świątkowska B, Baune BT, Müller-Myhsok B, Konte B, Penninx BWJH, Pato C, Zai C, Rujescu D, Hougaard DM, Quested D, Levinson DF, Binder EB, Byrne EM, Agerbo E, Streit F, Mayoral F, Bellivier F, Degenhardt F, Breen G, Morken G, Turecki G, Rouleau GA, Grabe HJ, Völzke H, Jones I, Giegling I, Agartz I, Melle I, Lawrence J, Potash JB, Walters JTR, Strohmaier J, Shi J, Hauser J, Biernacka JM, Vincent JB, Kelsoe J, Strauss JS, Lissowska J, Pimm J, Smoller JW, Guzman Parra J, Berger K, Scott LJ, Jones LA, Azevedo MH, Trzaskowski M, Kogevinas M, Rietschel M, Boks M, Ising M, Grigoriu-Serbanescu M, Hamshire ML, Leboyer M, Frye M, Nöthen MM, **Alda M**, Preisig M, Nordentoft M, Boehnke M, O'Donovan MC, Owen MJ, Pato MT, Renteria M, Budde M, Weissman MM, Wray NR, Bass N, Craddock N, Smeland OB, Andreassen OA, Mors O, Gejman PV, Sklar P, McGrath P, Hoffmann P, McGuffin P, Lee PH, Mortensen PB, Kahn RS, Ophoff RA, Adolfsson R, Van der Auwera S, Djurovic S, Shyn SI, Kloiber S, Heilmann-Heimbach S, Jamain S, Hamilton SP, McElroy SL, Lucae S, Cichon S, Schulze TG, Hansen T, Werge T, Air TM, Nimgaonkar V, Appadurai V, Cahn W, Milanese Y, Kendler KS, Fanous AH, McQuillin A, Lewis CM: Genome-wide association study of suicide attempt in psychiatric disorders and association with major depression polygenic risk scores. *American Journal of Psychiatry* 176: 651 - 660, 2019.
274. Manchia M, Rybakowski JK, Sani G, Kessing LV, Murru A, **Alda M**, Tondo L: Lithium and bipolar depression. *Bipolar Disorders* 21: 458 - 459, 2019.
275. **Alda M**: Methylene blue in the treatment of neuropsychiatric disorders. *CNS Drugs* 33: 719 - 725, 2019.
276. Tondo L, **Alda M**, Bauer M, Bergink V, Grof P, Hajek T, Lewitzka U, Licht RW, Manchia M, Müller-Oerlinghausen B, Nielsen RE, Selo M, Simhandl C, Baldessarini RJ; International Group for Studies of Lithium (IGSLi): Clinical use of lithium salts: Guide for users and prescribers. *International Journal of Bipolar Disorders* 7: 16, 2019.
277. Vošahlíková M, Roubalova L, Ujcikova H, Hlouskova M, Musil S, **Alda M**, Svoboda P: Na⁺/K⁺-ATPase level and products of lipid peroxidation in live cells treated with therapeutic lithium for different periods in time (1, 7, and 28 days); studies of Jurkat and HEK293 cells. *Naunyn-*

Schmiedeberg's Archives of Pharmacology 392: 785 - 799, 2019.

278. Corbett N, **Alda M***: Timing of onset of lithium relapse prevention - how early, how late? *British Journal of Psychiatry* 214: 306, 2019.
279. Nudell V, Wei H, Nievergelt C, Maihofer AX, Shilling P, **Alda M**, Berrettini WH, Brennand KJ, Calabrese JR, Coryell WH, Covault JM, Frye MA, Gage F, Gershon E, McInnis MG, Nurnberger JI, Oedegaard KJ, Shekhtman T, Zandi PP, Kelsoe JR, McCarthy MJ: Entrainment of circadian rhythms to temperature reveals amplitude deficits in fibroblasts from patients with bipolar disorder and possible links to calcium channels. *Molecular Neuropsychiatry* 5: 115 - 124, 2019.
280. Drange OK, Smeland OB, Shadrin AA, Finseth PI, Witoelar A, Frei O, Stahl EA, Breen G, Forstner AJ, McQuillin A, Ripke S, Trubetskoy V, Mattheisen M, Wang Y, Coleman JRI, Gaspar HA, de Leeuw CA, Steinberg S, Pavlides JMW, Trzaskowski M, Pers TH, Holmans PA, Abbott L, Agerbo E, Akil H, Albani D, Alliey-Rodriguez N, Als TD, Anjorin A, Antilla V, Awasthi S, Badner JA, Bækvad-Hansen M, Barchas JD, Bass N, Bauer M, Belliveau R, Bergen SE, Pedersen CB, Bøen E, Boks M, Boocock J, Budde M, Bunney W, Burmeister M, Bybjerg-Grauholm J, Byerley W, Casas M, Cerrato F, Cervantes P, Chambert K, Charney AW, Chen D, Churchhouse C, Clarke TK, Coryell W, Craig DW, Cruceanu C, Curtis D, Czerski PM, Dale AM, de Jong S, Degenhardt F, Del-Favero J, DePaulo JR, Djurovic S, Dobbyn AL, Dumont A, Elvsåshagen T, Escott-Price V, Fan CC, Fischr SB, Flickinger M, Foroud TM, Forty L, Frank J, Fraser C, Freimer NB, Frisèin L, Gade K, Gage D, Garnham J, Giambartolomei C, Pedersen MG, Goldstein J, Gordon SD, Gordon-Smith K, Green EK, Green MJ, Greenwood TA, Grove J, Guan W, Parra JG, Hamshire ML, Hautzinger M, Heilbronner U, Herms S, Hipolito M, Hoffmann P, Holland D, Huckins L, Jamain S, Johnson JS, Jureius A, Kandaswamy R, Karlsson R, Kennedy JL, Kittel-Schneider S, Knott SV, Knowles JA, Kogevinas M, Koller AC, Kupka R, Lavebratt C, Lawrence J, Lawson WB, Leber M, Lee PH, Levy SE, Li JZ, Liu C, Lucae S, Maaser A, MacIntyre DJ, Mahon PB, Maier W, Martinsson L, McCarroll S, McGuffin P, McInnis MG, McKay JD, Medeiros H, Medland SE, Meng F, Milani L, Montgomery GW, Morris DW, Mühleisen TW, Mullins N, Nguyen H, Nievergelt CM, Adolfsson AN, Nwulia EA, O'Donovan C, Loohuis LMO, Ori APS, Oruc L, Ösby U, Perlis RH, Perry A, Pfennig A, Potash JB, Purcell SM, Regeer EJ, Reif A, Reinbold CS, Rice JP, Rivas F, Rivera M, Roussos P, Ruderfer DM, Ryu E, Sainchez-Mora C, Schatzberg AF, Scheftner WA, Schork NJ, Weickert CS, Shekhtman T, Shilling PD, Sigurdsson E, Slaney C, Sobell JL, Hansen CS, Spijker AT, Claire DS, Steffens M, Strauss JS, Streit F, Strohmaier J, Szelinger S, Thompson RC, Thorgeirsson TE, Treutlein J, Vedder H, Wang W, Watson SJ, Weickert TW, Witt SH, Xi S, Xu W, Young AH, Zandi P, Zhang P, Zollner S, Adolfsson R, Agartz I, **Alda M**, Backlund L, Baune BT, Bellivier F, Berrettini WH, Biernacka JM, Blackwood DHR, Boehnke M, Børglum AD, Corvin A, Craddock N, Daly MJ, Dannlowski U, Esko T, Etain B, Frye M, Fullerton JM, Gershon ES, Gill M, Goes F, Grigoriou-Serbanescu M, Hauser J, Hougaard DM, Hultman CM, Jones I, Jones LA, Kahn RS, Kirov G, Landeïn M, Leboyer M, Lewis CM, Li QS, Lissowska J, Martin NG, Mayoral F, McElroy SL, McIntosh AM, McMahon FJ, Melle I, Metspalu A, Mitchell PB, Morken G, Mors O, Mortensen PB, Müller-Myhsok B, Myers RM, Neale BM, Nimgaonkar V, Nordentoft M, Nöthen MM, O'Donovan MC, Oedegaard KJ, Owen MJ, Paciga SA, Pato C, Pato MT, Posthuma D, Ramos-Quiroga JA, Ribaseis M, Rietschel M, Rouleau GA, Schalling M, Schofield PR, Schulze TG, Serretti A, Smoller JW, Stefansson H, Stefansson K, Stordal E, Sullivan PF, Turecki G, Vaaler AE, Vieta E, Vincent JB, Werge T, Nurnberger JI, Wray NR, Florio AD, Edenberg HJ, Cichon S, Ophoff RA, Scott LI, Kelsoe J, Sklar P, Wang Y, Hassani S, Djurovic S, Dale AM, Andreassen OA: Genetic overlap between Alzheimer's disease and bipolar disorder implicates the MARK2 and VAC14 genes. *Frontiers in Neuroscience* 13: 220, 2019.
281. Zwicker A, MacKenzie LE, Drobinin V, Howes Vallis E, Patterson VC, Stephens M, Cumby J, Propper L, Abidi S, Bagnell A, Schultze-Lutter F, Pavlova B, **Alda M**, Uher R: Basic symptoms in offspring of parents with mood and psychotic disorders. *BJPsych Open* 5: e54, 2019.
282. Bauer M, Glenn T, **Alda M**, Bauer R, Grof P, Marsh W, Monteith S, Munoz R, Rasgon N, Sagduyu K, Whybrow PC: Trajectories of adherence to mood stabilizers in patients with bipolar disorder.

International Journal of Bipolar Disorders 7: 19, 2019.

283. de Zwarte SMC, Brouwer RM, Agartz I, **Alda M**, Aleman A, Alpert KI, Bearden CE, Bertolino A, Bois C, Bonvino A, Bramon E, Buimer EEL, Cahn W, Cannon DM, Cannon TD, Caseras X, Castro-Fornieles J, Chen Q, Chung Y, De la Serna E, Di Giorgio A, Doucet GE, Eker MC, Erk S, Fears SC, Foley SF, Frangou S, Frankland A, Fullerton JM, Glahn DC, Goghari VM, Goldman AL, Gonul AS, Gruber O, de Haan L, Hajek T, Hawkins EL, Heinz A, Hillegers MHJ, Hulshoff Pol HE, Hultman CM, Ingvar M, Johansson V, Jönsson EG, Kane F, Kempton MJ, Koenis MMG, Kopecek M, Krabbendam L, Krämer B, Lawrie SM, Lenroot RK, Marcelis M, Marsman JC, Mattay VS, McDonald C, Meyer-Lindenberg A, Michielse S, Mitchell PB, Moreno D, Murry RM, Mwangi B, Najt P, Neilson E, Newport J, van Os J, Overs B, Ozerdem A, Picchioni MM, Richter A, Roberts G, Aydogan AS, Schofield PR, Simsek F, Soares JC, Sugranyes G, Touloupoulou T, Tronchin G, Walter H, Wang L, Weinberger DR, Whalley HC, Yalin N, van Haren NEM: The association between familial risk and brain abnormalities is disease specific: an ENIGMA-relatives study of schizophrenia and bipolar disorder. *Biological Psychiatry* 86: 545 - 556, 2019.
284. Favre P, Pauling M, Stout J, Hozer F, Sarrazin S, Abé C, **Alda M**, Alloza C, Alonso-Lana S, Andreassen OA, Baune BT, Benedetti F, Busatto GF, Canales-Rodríguez EJ, Caseras X, Chaim-Avancini TM, Ching CRK, Dannlowski U, Deppe M, Eyler LT, Fatjo-Vilas M, Foley SF, Grotegerd D, Hajek T, Haukvik UK, Howells FM, Jahanshad N, Kugel H, Lagerberg TV, Lawrie SM, Linke JO, McIntosh A, Melloni EMT, Mitchell PB, Polosan M, Pomarol-Clotet E, Repple J, Roberts G, Roos A, Rosa PGP, Salvador R, Sarró S, Schofield PR, Serpa MH, Sim K, Stein DJ, Sussmann JE, Temmingh HS, Thompson PM, Verdolini N, Vieta E, Wessa M, Whalley HC, Zanetti MV, Leboyer M, Mangin JF, Henry C, Duchesnay E, Houenou J; ENIGMA Bipolar Disorder Working Group: Widespread white matter microstructural abnormalities in bipolar disorder: Evidence from mega- and meta-analyses across 3033 individuals. *Neuropsychopharmacology* 44: 2285 - 2293, 2019.
285. Cross-Disorder Group of the Psychiatric Genomics Consortium [including **Alda M**]: Genomic relationships, novel loci, and pleiotropic mechanisms across eight psychiatric disorders. *Cell* 179: 1469 - 1482, 2019.
286. Van Gestel H, Franke K, Petite J, Slaney C, Garnham J, Helmick C, Johnson K, Uher R, **Alda M**, Hajek T: Brain age in bipolar disorders: Effects of lithium treatment. *Australian & New Zealand Journal of Psychiatry* 53: 1179 - 1188, 2019.
287. Passos IC, Ballester PL, Barros RC, Librenza-Garcia D, Mwangi B, Birmaher B, Brietzke E, Hajek T, Lopez Jaramillo C, Mansur RB, **Alda M**, Haarman BCM, Isometsa E, Lam RW, McIntyre RS, Minuzzi L, Kessing LV, Yatham LN, Duffy A, Kapeczinski F: Machine learning and big data analytics in bipolar disorder: A position paper from the International Society for Bipolar Disorders Big Data Task Force. *Bipolar Disorders* 21: 582 - 594, 2019.
288. Nolen WA, Licht RW, Young AH, Malhi GS, Tohen M, Vieta E, Kupka RW, Zarate C, Nielsen RE, Baldessarini RJ, Severus E, **Alda M**, Bauer M, Berghofer A, Berk M, Bocchetta A, Calkin CV, Duffy A, Fountoulakis KN, Gonzalez-Pinto A, Hajek T, Kessing LV, Lopez-Jaramillo C, Machado-Vieira R, Post RM, Rybakowski JK, Simhandl C, Soares JC, Tondo L: What is the optimal serum level for lithium in the maintenance treatment of bipolar disorder? A systematic review and recommendations from the ISBD/IGSLi Task Force on treatment with lithium. *Bipolar Disorders* 21: 395 - 409, 2019.
289. Sandstrom A, MacKenzie L, Pizzo A, Fine A, Rempel S, Howard C, Stephens M, Patterson VC, Drobinin V, Van Gestel H, Howes Vallis E, Zwicker A, Propper L, Abidi S, Bagnell A, Lovas D, Cumby J, **Alda M**, Uher R, Pavlova B: Observed psychopathology in offspring of parents with major depressive disorder, bipolar disorder and schizophrenia. *Psychological Medicine* 50: 1050 - 1056, 2020.
290. Drobinin V, Van Gestel H, Zwicker A, MacKenzie L, Cumby J, Patterson VC, Vallis EH, Campbell N, Hajek T, Helmick CA, Schmidt MH, **Alda M**, Bowen CV, Uher R: Psychotic symptoms are associated with lower cortical folding in youth at risk for mental illness. *Journal of Psychiatry and Neuroscience* 45: 125 - 133, 2020.

291. Nunes A, Arda R, Berghöfer A, Bocchetta A, Chillotti C, Deiana V, Garnham J, Grof E, Hajek T, Manchia M, Müller-Oerlinghausen B, Pinna M, Pisanu C, O'Donovan C, Severino G, Slaney C, Suwalska A, Zvolsky P, Cervantes P, Del Zompo M, Grof P, Rybakowski J, Tondo L, Trappenberg T, **Alda M***: Prediction of lithium response using clinical data. *Acta Psychiatrica Scandinavica* 141: 131 - 141, 2020.
292. Nunes A, Trappenberg T, **Alda M***: Asymmetrical reliability of the Alda Score favours a dichotomous representation of lithium responsiveness. *PLoS ONE* 15: e0225353, 2020.
293. Nunes A, Trappenberg T, **Alda M***: We need an operational framework for heterogeneity in psychiatric research. *Journal of Psychiatry and Neuroscience* 45: 3 - 6, 2020.
294. Zwicker A, Drobinin V, MacKenzie LE, Howes Vallis E, Patterson VC, Cumby J, Propper L, Abidi S, Bagnell A, Pavlova B, **Alda M**, Uher R: Affective lability in offspring of parents with major depressive disorder, bipolar disorder and schizophrenia. *European Child & Adolescent Psychiatry* 29: 445 - 451, 2020.
295. Squassina A, Niola P, Lopez JP, Cruceanu C, Pisanu C, Congiu D, Severino G, Arda R, Chillotti C, **Alda M**, Turecki G, Del Zompo M: MicroRNA expression profiling of lymphoblasts from bipolar disorder patients who died by suicide, pathway analysis and integration with postmortem brain findings. *European Neuropsychopharmacology* 34: 39 - 49, 2020.
296. Scott J, Etain B, Manchia M, Brichant-Petitjean C, Geoffrey PA, Schulze T, **Alda M**, Amare A, Arda R, Backlund L, Baune B, Barboza A, Benabarre A, Chaumette B, Chen H, Chillotti C, Clark S, Colom F, Del Zompo M, Dalkner N, Dantas C, Ferentinos P, Garnham J, Jamain S, Jimenez E, Khan JP, Kuo P, Lavebratt C, Maj M, Millischer V, Monteleone P, Pisanu C, Potash J, Reif A, Reininghaus E, Schalling M, Schofield P, Schubert K, Severino G, Slaney C, Smith D, Squassina A, Tondo L, Vieta E, Witt S, Bellivier F: An examination of the quality and performance of the Alda scale for classifying lithium response phenotypes. *Bipolar Disorders* 22: 255 - 265, 2020.
297. Pizzo A, Drobinin V, Sandstrom A, Zwicker A, Howes-Vallis E, Fine A, Rempel S, Stephens M, Howard C, Villars K, MacKenzie LE, Propper L, Abidi S, Lovas D, Bagnell A, Cumby J, **Alda M**, Uher R, Pavlova B: Active behaviors and screen time in offspring of parents with major depressive disorder, bipolar disorder and schizophrenia. *Psychiatry Research* 285: 112709, 2020.
298. Zwicker A, MacKenzie LE, Drobinin V, Bagher AM, Howes Vallis E, Propper L, Bagnell A, Abidi S, Pavlova B, **Alda M**, Denovan-Wright EM, Uher R: Neurodevelopmental and genetic determinants of exposure to adversity among youth at risk for mental illness. *Journal of Child Psychology and Psychiatry* 61: 536 - 544, 2020.
299. Shen W, Wang Q-W, Liu Y-N, Marchetto MC, Linker S, Lu S-Y, Chen Y, Guo C, Xing Z, Shi W, Kelsoe JR, **Alda M**, Wang H, Zhong Y, Sui S-F, Zhao M, Yang Y, Mi S, Cao L, Gage FH, Yao J: Synaptotagmin-7 is a key factor for bipolar-like behavioral abnormalities in mice. *Proceedings of the National Academy of Sciences of the United States* 117: 4392 - 4399, 2020.
300. Scott J, Bellivier F, Manchia M, Schulze T, **Alda M**, Etain B, ConLiGen collaboration: Can network analysis shed light on predictors of lithium response in bipolar I disorder? *Acta Psychiatrica Scandinavica* 141: 522 - 533, 2020.
301. Vošahlíková M, Roubalova L, Cechova K, Kaufman J, Musil S, Miksik I, **Alda M**, Svoboda P: Na⁺/K⁺-ATPase and lipid peroxidation in forebrain cortex and hippocampus of sleep-deprived rats treated with therapeutic lithium concentration for different periods of time. *Progress in Neuropsychopharmacology and Biological Psychiatry* 102: 109953, 2020.
302. Stern S, Sarkar A, Stern T, Mei A, Mendes APD, Stern Y, Goldberg G, Galor D, Nguyen T, Randolph-Moore L, Kim Y, Rouleau G, Bang A, **Alda M**, Santos R, Marchetto MC, Gage FH: Mechanisms underlying the hyperexcitability of CA3 and dentate gyrus hippocampal neurons derived from patients with bipolar disorder. *Biological Psychiatry* 88: 139 - 149, 2020.
303. Coleman JRI, Gaspar HA, Bryois J; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium [including **Alda M**]; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Breen G: The genetics of the mood disorder spectrum: Genome-wide

- association analyses of more than 185,000 cases and 439,000 controls. *Biological Psychiatry* 88: 169 - 184, 2020.
304. Stern S, Sarkar A, Galor D, Stern T, Mei A, Stern Y, Mendes APD, Randolph-Moore L, Rouleau G, Bang AG, Santos R, **Alda M**, Marchetto MC, Gage FH: A physiological instability displayed in hippocampal neurons derived from lithium-nonresponsive bipolar disorder patients. *Biological Psychiatry* 88: 150 - 158, 2020.
 305. O'Donovan C, **Alda M***: Depression preceding diagnosis of bipolar disorder. *Frontiers in Psychiatry* 11: 500, 2020.
 306. Nunes A, Trappenberg T, **Alda M***: The definition and measurement of heterogeneity. *Translational Psychiatry* 10: 299, 2020.
 307. Burdick KE, Millett CE, Russo M, **Alda M**, Alliey-Rodriguez N, Anand A, Balaraman Y, Berrettini W, Bertram H, Calabrese JR, Calkin C, Conroy C, Coryell W, DeModena A, Feeder S, Fisher C, Frazier N, Frye M, Gao K, Garnham J, Gershon ES, Glazer K, Goes FS, Goto T, Harrington GJ, Jakobsen P, Kamali M, Kelly M, Leckband S, Løberg EM, Lohoff FW, Maihofer AX, McCarthy MJ, McInnis M, Morken G, Nievergelt CM, Nurnberger J, Oedegaard KJ, Ortiz A, Ritchey M, Ryan K, Schinagle M, Schwebel C, Shaw M, Shilling P, Slaney C, Stapp E, Tarwater B, Zandi P, Kelsoe JR: The association between lithium use and neurocognitive performance in patients with bipolar disorder. *Neuropsychopharmacology* 45: 1743 - 1749, 2020.
 308. Parker G, Spoelma MJ, Tavella G, **Alda M**, Hajek T, Dunner DL, O'Donovan C, Rybakowski JK, Goldberg JF, Bayes A, Sharma V, Boyce P, Manicavasagar V: The bipolar disorders: A case for their categorically distinct status based on symptom profiles. *Journal of Affective Disorders* 277: 225 - 231, 2020.
 309. Nunes A, **Alda M**, Bardouille T, Trappenberg T: Representational Renyi heterogeneity. *Entropy* 22: 417, 2020.
 310. Nunes A, **Alda M**, Trappenberg T: Multiplicative decomposition of heterogeneity in mixtures of continuous distributions. *Entropy* 22: 858, 2020.
 311. Nunes A, Schnack HG, Ching CRK, Agartz I, Akudjedu T, **Alda M**, Alnaes D, Alonso-Lana S, Bauer J, Baune BT, Bøen E, del Mar Bonnin C, Busatto GF, Canales-Rodríguez EJ, Cannon DM, Caseras X, Chaim-Avancini TM, Dannlowski U, Díaz-Zuluaga AM, Dietsche B, Doan NT, Duchesnay E, Elvsåshagen T, Emden D, Eyler LT, Fatjó-Vilas M, Favre P, Foley SF, Fullerton JM, Glahn DC, Goikolea JM, Grotegerd D, Hahn T, Henry C, Hibar DP, Houenou J, Howells FM, Jahanshad N, Kaufmann T, Kenney J, Kircher TTJ, Krug A, Lagerberg TV, Lenroot RK, López-Jaramillo C, Machado-Vieira R, Malt UF, McDonald C, Mitchell PB, Mwangi B, Nabulsi L, Opel N, Overs BJ, Pineda-Zapata JA, Pomarol-Clotet E, Redlich R, Roberts G, Rosa PG, Salvador R, Satterthwaite TD, Soares JC, Stein DJ, Temmingh HS, Trappenberg T, Uhlmann A, van Haren NEM, Vieta E, Westlye LT, Wolf DH, Yüksel D, Zanetti MV, Andreassen OA, Thompson PM, Hajek T: Using Structural MRI to identify bipolar disorders - 13 site machine learning study in 3020 individuals from the ENIGMA Bipolar Disorders Working Group. *Molecular Psychiatry* 25: 2130 - 2143, 2020.
 312. Nunes A, Trappenberg T, **Alda M***: Measuring heterogeneity in normative models as the effective number of deviation patterns. *PLoS One* 15: e0242320, 2020.
 313. Parker G, Tavella G, Ricciardi T, Hadzi-Pavlovic D, **Alda M**, Hajek T, Dunner DL, O'Donovan C, Rybakowski JK, Goldberg JF, Bayes A, Sharma V, Boyce P, Manicavasagar V: Refined diagnostic criteria for the bipolar disorders: Phase two of the AREDOC project. *Acta Psychiatrica Scandinavica* 142: 193 - 202, 2020.
 314. Writing Committee for the Attention-Deficit/Hyperactivity Disorder; Autism Spectrum Disorder; Bipolar Disorder; Major Depressive Disorder; Obsessive-Compulsive Disorder; and Schizophrenia ENIGMA Working Groups, Patel Y, Parker N, Shin J, Howard D, French L, Thomopoulos SI, Pozzi E, Abe Y, Abé C, Anticevic A, **Alda M**, Aleman A, Alloza C, Alonso-Lana S, Ameis SH, Anagnostou E, McIntosh AA, Arango C, Arnold PD, Asherson P, Assogna F, Auzias G, Ayesa-Arriola R, Bakker G, Banaj N, Banaschewski T, Bandeira CE, Baranov A, Bargalló N, Bau CHD, Baumeister S, Baune

- BT, Bellgrove MA, Benedetti F, Bertolino A, Boedhoe PSW, Boks M, Bollettini I, Del Mar Bonnin C, Borgers T, Borgwardt S, Brandeis D, Brennan BP, Bruggemann JM, Bülow R, Busatto GF, Calderoni S, Calhoun VD, Calvo R, Canales-Rodríguez EJ, Cannon DM, Carr VJ, Cascella N, Cercignani M, Chaim-Avancini TM, Christakou A, Coghill D, Conzelmann A, Crespo-Facorro B, Cubillo AI, Cullen KR, Cupertino RB, Daly E, Dannlowski U, Davey CG, Denys D, Deruelle C, Di Giorgio A, Dickie EW, Dima D, Dohm K, Ehrlich S, Ely BA, Erwin-Grabner T, Ethofer T, Fair DA, Fallgatter AJ, Faraone SV, Fatjó-Vilas M, Fedor JM, Fitzgerald KD, Ford JM, Frodl T, Fu CHY, Fullerton JM, Gabel MC, Glahn DC, Roberts G, Gogberashvili T, Goikolea JM, Gotlib IH, Goya-Maldonado R, Grabe HJ, Green MJ, Grevet EH, Groenewold NA, Grotegerd D, Gruber O, Gruner P, Guerrero-Pedraza A, Gur RE, Gur RC, Haar S, Haarman BCM, Haavik J, Hahn T, Hajek T, Harrison BJ, Harrison NA, Hartman CA, Whalley HC, Heslenfeld DJ, Hibar DP, Hilland E, Hirano Y, Ho TC, Hoekstra PJ, Hoekstra L, Hohmann S, Hong LE, Höschl C, Høvik MF, Howells FM, Nenadic I, Jalbrzikowski M, James AC, Janssen J, Jaspers-Fayer F, Xu J, Jonassen R, Karkashadze G, King JA, Kircher T, Kirschner M, Koch K, Kochunov P, Kohls G, Konrad K, Krämer B, Krug A, Kuntsi J, Kwon JS, Landén M, Landrø NI, Lazaro L, Lebedeva IS, Leehr EJ, Lera-Miguel S, Lesch KP, Lochner C, Louza MR, Luna B, Lundervold AJ, MacMaster FP, Maglanoc LA, Malpas CB, Portella MJ, Marsh R, Martyn FM, Mataix-Cols D, Mathalon DH, McCarthy H, McDonald C, McPhilemey G, Meinert S, Menchón JM, Minuzzi L, Mitchell PB, Moreno C, Morgado P, Muratori F, Murphy CM, Murphy D, Mwangi B, Nabulsi L, Nakagawa A, Nakamae T, Namazova L, Narayanaswamy J, Jahanshad N, Nguyen DD, Nicolau R, O'Gorman Tuura RL, O'Hearn K, Oosterlaan J, Opel N, Ophoff RA, Oranje B, García de la Foz VO, Overs BJ, Paloyelis Y, Pantelis C, Parellada M, Pauli P, Picó-Pérez M, Picon FA, Piras F, Piras F, Plessen KJ, Pomarol-Clotet E, Preda A, Puig O, Quidé Y, Radua J, Ramos-Quiroga JA, Rasser PE, Rauer L, Reddy J, Redlich R, Reif A, Reneman L, Repple J, Retico A, Richarte V, Richter A, Rosa PGP, Rubia KK, Hashimoto R, Sacchet MD, Salvador R, Santonja J, Sarink K, Sarró S, Satterthwaite TD, Sawa A, Schall U, Schofield PR, Schranke A, Seitz J, Serpa MH, Setién-Suero E, Shaw P, Shook D, Silk TJ, Sim K, Simon S, Simpson HB, Singh A, Skoch A, Skokauskas N, Soares JC, Soreni N, Soriano-Mas C, Spalletta G, Spaniel F, Lawrie SM, Stern ER, Stewart SE, Takayanagi Y, Temmingh HS, Tolin DF, Tomecek D, Tordesillas-Gutiérrez D, Tosetti M, Uhlmann A, van Amelsvoort T, van der Wee NJA, van der Werff SJA, van Haren NEM, van Wingen GA, Vance A, Vázquez-Bourgon J, Vecchio D, Venkatasubramanian G, Vieta E, Vilarroya O, Vives-Gilabert Y, Voineskos AN, Völzke H, von Polier GG, Walton E, Weickert TW, Weickert CS, Weideman AS, Wittfeld K, Wolf DH, Wu MJ, Yang TT, Yang K, Yoncheva Y, Yun JY, Cheng Y, Zanetti MV, Ziegler GC, Franke B, Hoogman M, Buitelaar JK, van Rooij D, Andreassen OA, Ching CRK, Veltman DJ, Schmaal L, Stein DJ, van den Heuvel OA, Turner JA, van Erp TGM, Pausova Z, Thompson PM, Paus T: Virtual histology of cortical thickness and shared neurobiology in 6 psychiatric disorders. *JAMA Psychiatry* 78: 47 - 63, 2021.
315. Stone W, Nunes A, Akiyama K, Akula N, Ardaur R, Aubrey J-M, Backlund L, Bauer M, Bellivier F, Cervantes P, Chen H-C, Chillotti C, Cruceanu C, Dayer A, Degenhardt F, Del Zompo M, Forstner AJ, Frye M, Fullerton JM, Grigoriu-Serbanescu M, Grof P, Hashimoto R, Hou L, Jiménez E, Kato T, Kelsoe J, Kittel-Schneider S, Kuo P-H, Kusumi I, Lavebratt C, Manchia M, Martinsson L, Mattheisen M, McMahon FJ, Millischer V, Mitchell PB, Nöthen MM, O'Donovan C, Ozaki N, Pisanu C, Reif A, Rietschel M, Rouleau G, Rybakowski J, Schalling M, Schofield PR, Schulze TG, Severino G, Squassina A, Veeh J, Vieta E, Trappenberg T, **Alda M***: Prediction of lithium response using genomic data. *Scientific Reports* 11: 1155, 2021.
316. Nunes A, Stone W, Ardaur R, Berghöfer A, Bocchetta A, Chillotti C, Deiana V, Degenhardt F, Forstner AJ, Garnham JS, Grof P, Hajek T, Manchia M, Mattheisen M, McMahon F, Müller-Oerlinghausen B, Nöthen MM, Pinna M, Pisanu C, O'Donovan C, Rietschel MDC, Rouleau G, Schulze T, Severino G, Slaney CM, Squassina A, Suwalska A, Turecki G, Uher R, Zvolsky P, Cervantes P, Del Zompo M, Grof P, Rybakowski J, Tondo L, Trappenberg T, **Alda M***: Exemplar scoring identifies genetically separable phenotypes of lithium responsive bipolar disorder. *Translational Psychiatry* 11: 36, 2021.

317. Parker G, Spoelma MJ, Tavella G, **Alda M**, Hajek T, Dunner DL, O'Donovan C, Rybakowski JK, Goldberg JF, Bayes A, Sharma V, Boyce P, Manicavasagar V: Differentiating mania/hypomania from happiness using a machine learning analytic approach. *Journal of Affective Disorders* 281: 505 - 509, 2021.
318. Parker G, Spoelma MJ, Tavella G, **Alda M**, Hajek T, Dunner DL, O'Donovan C, Rybakowski JK, Goldberg JF, Bayes A, Sharma V, Boyce P, Manicavasagar V: Categorical differentiation of the unipolar and bipolar disorders. *Psychiatry Research* 297: 113719, 2021.
319. Monteith S, Bauer M, **Alda M**, Geddes J, Whybrow PC, Glenn T: Increasing cybercrime since the pandemic: Concerns for psychiatry. *Current Psychiatry Reports* 23: 18, 2021.
320. Bauer M, Glenn T, **Alda M**, Grof P, Monteith S, Rasgon N, Severus E, Whybrow PC: Association between adherence with an atypical antipsychotic and with other psychiatric drugs in patients with bipolar disorder. *Pharmacopsychiatry* 54: 75 - 80, 2021.
321. Andlauer TFM, Guzman-Parra J, Streit F, Strohmaier J, González MJ, Gil Flores S, Cabaleiro Fabeiro FJ, Del Río Noriega F, Perez FP, Haro González J, Orozco Diaz G, de Diego-Otero Y, Moreno-Küstner B, Auburger G, Degenhardt F, Heilmann-Heimbach S, Herms S, Hoffmann P, Frank J, Foo JC, Treutlein J, Witt SH, Cichon S, Kogevinas M, Stahl EA, Breen G, Forstner AJ, McQuillin A, Ripke S, Trubetskoy V, Mattheisen M, Wang Y, Coleman JRI, Gaspar HA, de Leeuw CA, Steinberg S, Pavlides JMW, Trzaskowski M, Pers TH, Holmans PA, Abbott L, Agerbo E, Akil H, Albani D, Alliey-Rodriguez N, Als TD, Anjorin A, Antilla V, Awasthi S, Badner JA, Bækvad-Hansen M, Barchas JD, Bass N, Bauer M, Belliveau R, Bergen SE, Pedersen CB, Bøen E, Boks M, Boocock J, Budde M, Bunney W, Burmeister M, Bybjerg-Grauholm J, Byerley W, Casas M, Cerrato F, Cervantes P, Chambert K, Charney AW, Chen D, Churchhouse C, Clarke TK, Coryell W, Craig DW, Cruceanu C, Czerski PM, Dale AM, de Jong S, Degenhardt F, Del-Favero J, DePaulo JR, Djurovic S, Dobbyn AL, Dumont A, Elvsåshagen T, Escott-Price V, Fan CC, Fischer SB, Flickinger M, Foroud TM, Forty L, Frank J, Fraser C, Freimer NB, Frisén L, Gade K, Gage D, Garnham J, Giambartolomei C, Pedersen MG, Goldstein J, Gordon SD, Gordon-Smith K, Green EK, Green MJ, Greenwood TA, Grove J, Guan W, Parra JG, Hamshire ML, Hautzinger M, Heilbronner U, Herms S, Hipolito M, Hoffmann P, Holland D, Huckins L, Jamain S, Johnson JS, Jureus A, Kandaswamy R, Karlsson R, Kennedy JL, Kittel-Schneider S, Knowles JA, Kogevinas M, Koller AC, Kupka R, Lavebratt C, Lawrence J, Lawson WB, Leber M, Lee PH, Levy SE, Li JZ, Liu C, Lucae S, Maaser A, MacIntyre DJ, Mahon PB, Maier W, Martinsson L, McCarroll S, McGuffin P, McInnis MG, McKay JD, Medeiros H, Medland SE, Meng F, Milani L, Montgomery GW, Morris DW, Mühleisen TW, Mullins N, Nguyen H, Nievergelt CM, Adolfsson AN, Nwulia EA, O'Donovan C, Loohuis LMO, Ori APS, Oruc L, Ösby U, Perlis RH, Perry A, Pfennig A, Potash JB, Purcell SM, Regeer EJ, Reif A, Reinbold CS, Rice JP, Richards AL, Rivas F, Rivera M, Roussos P, Ruderfer DM, Ryu E, Sánchez-Mora C, Schatzberg AF, Scheftner WA, Schork NJ, Weickert CS, Shekhtman T, Shilling PD, Sigurdsson E, Slaney C, Smeland OB, Sobell JL, Hansen CS, Spijker AT, Clair DS, Steffens M, Strauss JS, Streit F, Strohmaier J, Szelinger S, Thompson RC, EThorgeirsson T, Treutlein J, Vedde H, Wang W, Watson SJ, Weickert TW, Witt SH, Xi S, Xu W, Young AH, Zandi P, Zhang P, Zollner S, Adolfsson R, Agartz I, **Alda M**, Backlund L, Baune BT, Bellivier F, Berrettini WH, Biernacka JM, Blackwood DHR, Boehnke M, Børghlum AD, Corvin A, Craddock N, Daly MJ, Dannlowski U, Esko T, Etain B, Frye M, Fullerton JM, Gershon ES, Gill M, Goes F, Grigoriu-Serbanescu M, Hauser J, Hougaard DM, Hultman CM, Jones I, Jones LA, Kahn RS, Kirov G, Landén M, Leboyer M, Lewis CM, Li QS, Lissowska J, Martin NG, Mayoral F, McElroy SL, McIntosh AM, McMahon FJ, Melle I, Metspalu A, Mitchell PB, Morken G, Mors O, Mortensen PB, Müller-Myhsok B, Myers RM, Neale BM, Nimgaonkar V, Nordentoft M, Nöthen MM, O'Donovan MC, Oedegaard KJ, Owen MJ, Paciga SA, Pato C, Pato MT, Posthuma D, Ramos-Quiroga JA, Ribasés M, Rietschel M, Rouleau GA, Schalling M, Schofield PR, Schulze TG, Serretti A, Smoller JW, Stefansson H, Stefansson K, Stordal E, Sullivan PF, Turecki G, Vaaler AE, Vieta E, Vincent JB, Werge T, Nurnberger JI, Wray NR, Florio AD, Edenberg HJ, Cichon S, Ophoff RA, Scott LJ, Andreassen OA, Kelsoe J, Sklar P, Wray NR, Ripke S, Mattheisen M,

Trzaskowski M, Byrne EM, Abdellaoui A, Adams MJ, Agerbo E, Air TM, Andlauer TFM, Bacanu SA, Bækvad-Hansen M, Beekman ATF, Bigdeli TB, Binder EB, Bryois J, Buttenschøn HN, Bybjerg-Grauholm J, Cai N, Castela E, Christensen JH, Clarke TK, Coleman JRI, Colodro-Conde L, Couvy-Duchesne B, Craddock N, Crawford GE, Davies G, Deary IJ, Degenhardt F, Derks EM, Direk N, Dolan CV, Dunn EC, Eley TC, Escott-Price V, Kiadeh FFH, Finucane HK, Foo JC, Forstner AJ, Frank J, Gaspar HA, Gill M, Goes FS, Gordon SD, Grove J, Hall LS, Hansen CS, Hansen TF, Herms S, Hickie IB, Hoffmann P, Homuth G, Horn C, Hottenga JJ, Hougaard DM, Howard DM, Ising M, Jansen R, Jones I, Jones LA, Jorgenson E, Knowles JA, Kohane IS, Kraft J, Kretschmar WW, Kutalik Z, Li Y, Lind PA, MacIntyre DJ, MacKinnon DF, Maier RM, Maier W, Marchini J, Mbarek H, McGrath P, McGuffin P, Medland SE, Mehta D, Middeldorp CM, Mihailov E, Milanese Y, Milani L, Mondimore FM, Montgomery GW, Mostafavi S, Mullins N, Nauck M, Ng B, Nivard MG, Nyholt DR, O'Reilly PF, Oskarsson H, Owen MJ, Painter JN, Pedersen CB, Pedersen MG, Peterson RE, Pettersson E, Peyrot WJ, Pistis G, Posthuma D, Quiroz JA, Qvist P, Rice JP, Riley BP, Rivera M, Mirza SS, Schoevers R, Schulte EC, Shen L, Shi J, Shyn SI, Sigurdsson E, Sinnamón GCB, Smit JH, Smith DJ, Stefansson H, Steinberg S, Streit F, Strohmaier J, Tansey KE, Teismann H, Teumer A, Thompson W, Thomson PA, Thorgeirsson TE, Traylor M, Treutlein J, Trubetskoy V, Uitterlinden AG, Umbricht D, Van der Auwera S, van Hemert AM, Viktorin A, Visscher PM, Wang Y, Webb BT, Weinsheimer SM, Wellmann J, Willemsen G, Witt SH, Wu Y, Xi HS, Yang J, Zhang F, Arolt V, Baune BT, Berger K, Boomsma DI, Cichon S, Dannlowski U, de Geus EJC, DePaulo JR, Domenici E, Domschke K, Esko T, Grabe HJ, Hamilton SP, Hayward C, Heath AC, Kendler KS, Kloiber S, Lewis G, Li QS, Lucae S, Madden PAF, Magnusson PK, Martin NG, McIntosh AM, Metspalu A, Mors O, Mortensen PB, Müller-Myhsok B, Nordentoft M, Nöthen MM, O'Donovan MC, Paciga SA, Pedersen NL, Penninx BWJH, Perlis RH, Porteous DJ, Potash JB, Preisig M, Rietschel M, Schaefer C, Schulze TG, Smoller JW, Stefansson K, Tiemeier H, Uher R, Völzke H, Weissman MM, Werge T, Lewis CM, Levinson DF, Breen G, Børglum AD, Sullivan PF, Rivas F, Mayoral F, Müller-Myhsok B, Forstner AJ, Nöthen MM, Rietschel M: Bipolar multiplex families have an increased burden of common risk variants for psychiatric disorders. *Molecular Psychiatry* 26: 1286 - 1298, 2021.

322. Sandstrom A, Perroud N, **Alda M**, Uher R, Pavlova B: Prevalence of attention-deficit/hyperactivity disorder in people with mood disorders: A systematic review and meta-analysis. *Acta Psychiatrica Scandinavica* 143: 380 - 391, 2021.
323. Roubalová L, Vošahlíková M, Slaninová J, Kaufman J, **Alda M**, Svoboda P: Tissue-specific protective properties of lithium: comparison of rat kidney, erythrocytes and brain. *Naunyn Schmiedeberg's Archives of Pharmacology* 394: 955 - 965, 2021.
324. Ortiz A, Bradler K, Moorti P, MacLean S, Husain MI, Sanches M, Goldstein BI, **Alda M**, Mulsant BH: Reduced heart rate variability is associated with higher illness burden in bipolar disorder. *Journal of Psychosomatic Research* 145: 110478, 2021.
325. Martin J, Khramtsova EA, Goleva SB, Blokland GAM, Traglia M, Walters RK, Hübel C, Coleman JRI, Breen G, Børglum AD, Demontis D, Grove J, Werge T, Bralten J, Bulik CM, Lee PH, Mathews CA, Peterson RE, Winham SJ, Wray N, Edenberg HJ, Guo W, Yao Y, Neale BM, Faraone SV, Petryshen TL, Weiss LA, Duncan LE, Goldstein JM, Smoller JW, Stranger BE, Davis LK; Sex Differences Cross-Disorder Analysis Group of the Psychiatric Genomics Consortium [incl. **Alda M**]: Examining sex-differentiated genetic effects across neuropsychiatric and behavioral traits. *Biological Psychiatry* 89: 1127 - 1137, 2021.
326. **Alda M**: The moving target of psychiatric diagnosis. *Journal of Psychiatry and Neuroscience* 46: E415 - E417, 2021.
327. Khayachi A, Ase A, Liao C, Kamesh A, Kuhlmann N, Schorova L, Chaumette B, Dion P, **Alda M**, Séguéla P, Rouleau G, Milnerwood A: Chronic lithium treatment alters the excitatory/inhibitory balance of synaptic networks and reduces mGluR5-PKC signaling in mouse cortical neurons. *Journal of Psychiatry and Neuroscience* 46: E402 - E414, 2021.
328. Mullins N, Forstner AJ, O'Connell KS, Coombes B, Coleman JRI, Qiao Z, Als TD, Bigdeli TB, Børte

S, Bryois J, Charney AW, Drange OK, Gandal MJ, Hagenaars SP, Ikeda M, Kamitaki N, Kim M, Krebs K, Panagiotaropoulou G, Schilder BM, Sloofman LG, Steinberg S, Trubetskoy V, Winsvold BS, Won HH, Abramova L, Adorjan K, Agerbo E, Al Eissa M, Albani D, Alliey-Rodriguez N, Anjorin A, Antilla V, Antoniou A, Awasthi S, Baek JH, Bækvad-Hansen M, Bass N, Bauer M, Beins EC, Bergen SE, Birner A, Bøcker Pedersen C, Bøen E, Boks MP, Bosch R, Brum M, Brumpton BM, Brunkhorst-Kanaan N, Budde M, Bybjerg-Grauholm J, Byerley W, Cairns M, Casas M, Cervantes P, Clarke TK, Cruceanu C, Cuellar-Barboza A, Cunningham J, Curtis D, Czerski PM, Dale AM, Dalkner N, David FS, Degenhardt F, Djurovic S, Dobbryn AL, Douzenis A, Elvsåshagen T, Escott-Price V, Ferrier IN, Fiorentino A, Foroud TM, Forty L, Frank J, Frei O, Freimer NB, Frisén L, Gade K, Garnham J, Gelernter J, Giørtz Pedersen M, Gizer IR, Gordon SD, Gordon-Smith K, Greenwood TA, Grove J, Guzman-Parra J, Ha K, Haraldsson M, Hautzinger M, Heilbronner U, Hellgren D, Herms S, Hoffmann P, Holmans PA, Huckins L, Jamain S, Johnson JS, Kalman JL, Kamatani Y, Kennedy JL, Kittel-Schneider S, Knowles JA, Kogevinas M, Koromina M, Kranz TM, Kranzler HR, Kubo M, Kupka R, Kushner SA, Lavebratt C, Lawrence J, Leber M, Lee HJ, Lee PH, Levy SE, Lewis C, Liao C, Lucae S, Lundberg M, MacIntyre DJ, Magnusson SH, Maier W, Maihofer A, Malaspina D, Maratou E, Martinsson L, Mattheisen M, McCarroll SA, McGregor NW, McGuffin P, McKay JD, Medeiros H, Medland SE, Millischer V, Montgomery GW, Moran JL, Morris DW, Mühleisen TW, O'Brien N, O'Donovan C, Olde Loohuis LM, Oruc L, Papiol S, Pardiñas AF, Perry A, Pfennig A, Porichi E, Potash JB, Quested D, Raj T, Rapaport MH, DePaulo JR, Regeer EJ, Rice JP, Rivas F, Rivera M, Roth J, Roussos P, Ruderfer DM, Sánchez-Mora C, Schulte EC, Senner F, Sharp S, Shilling PD, Sigurdsson E, Sirignano L, Slaney C, Smeland OB, Smith DJ, Sobell JL, Söholm Hansen C, Soler Artigas M, Spijker AT, Stein DJ, Strauss JS, Świątkowska B, Terao C, Thorgeirsson TE, Toma C, Tooney P, Tsermpini EE, Vawter MP, Vedder H, Walters JTR, Witt SH, Xi S, Xu W, Yang JMK, Young AH, Young H, Zandi PP, Zhou H, Zillich L; HUNT All-In Psychiatry, Adolfsson R, Agartz I, **Alda M**, Alfredsson L, Babadjanova G, Backlund L, Baune BT, Bellivier F, Bengesser S, Berrettini WH, Blackwood DHR, Boehnke M, Børghlum AD, Breen G, Carr VJ, Catts S, Corvin A, Craddock N, Dannlowski U, Dikeos D, Esko T, Etain B, Ferentinos P, Frye M, Fullerton JM, Gawlik M, Gershon ES, Goes FS, Green MJ, Grigoriou-Serbanescu M, Hauser J, Henskens F, Hillert J, Hong KS, Hougaard DM, Hultman CM, Hveem K, Iwata N, Jablensky AV, Jones I, Jones LA, Kahn RS, Kelsoe JR, Kirov G, Landén M, Leboyer M, Lewis CM, Li QS, Lissowska J, Lochner C, Loughland C, Martin NG, Mathews CA, Mayoral F, McElroy SL, McIntosh AM, McMahon FJ, Melle I, Michie P, Milani L, Mitchell PB, Morken G, Mors O, Mortensen PB, Mowry B, Müller-Myhsok B, Myers RM, Neale BM, Nievergelt CM, Nordentoft M, Nöthen MM, O'Donovan MC, Oedegaard KJ, Olsson T, Owen MJ, Paciga SA, Pantelis C, Pato C, Pato MT, Patrinos GP, Perlis RH, Posthuma D, Ramos-Quiroga JA, Reif A, Reininghaus EZ, Ribasés M, Rietschel M, Ripke S, Rouleau GA, Saito T, Schall U, Schalling M, Schofield PR, Schulze TG, Scott LJ, Scott RJ, Serretti A, Shannon Weickert C, Smoller JW, Stefansson H, Stefansson K, Stordal E, Streit F, Sullivan PF, Turecki G, Vaaler AE, Vieta E, Vincent JB, Waldman ID, Weickert TW, Werge T, Wray NR, Zwart JA, Biernacka JM, Nurnberger JI, Cichon S, Edenberg HJ, Stahl EA, McQuillin A, Di Florio A, Ophoff RA, Andreassen OA: Genome-wide association study of more than 40,000 bipolar disorder cases provides new insights into the underlying biology. *Nature Genetics* 53: 817 - 829, 2021.

329. Khayachi A, Schorova L, **Alda M**, Rouleau GA, Milnerwood AJ: Posttranslational modifications and lithium's therapeutic effect - potential biomarkers for clinical responses in psychiatric and neurodegenerative disorders. *Neuroscience & Biobehavioral Reviews* 127: 424 - 445, 2021.
330. Vošahlíková M, Roubalová L, Brejchová J, **Alda M**, Svoboda P: Therapeutic lithium alters polar head-group region of lipid bilayer and prevents lipid peroxidation in forebrain cortex of sleep-deprived rats. *Biochimica et Biophysica Acta - Molecular and Cell Biology of Lipids* 1866: 158962, 2021.
331. Fico G, Anmella G, Gomez-Ramiro M, de Miquel C, Hidalgo-Mazzei D, Manchia M, **Alda M**, Gonzalez-Pinto A, Carvalho AF, Vieta E, Murru A: Duration of untreated illness and bipolar disorder:

time for a new definition? Results from a cross-sectional study. *Journal of Affective Disorders* 294: 513 - 520, 2021.

332. Zwicker A, LeBlanc MA, Pavlova B, **Alda M**, Denovan-Wright EM, Uher R, Austin JC: Genetic counselling for the prevention of mental health consequences of cannabis use: A randomized controlled trial-within-cohort. *Early Intervention in Psychiatry* 15: 1306 - 1314, 2021.
333. Bauer M, Glenn T, Achtyes ED, **Alda M**, Agaoglu E, Atinbaş K, Andreassen OA, Angelopoulos E, Arda R, Vares EA, Aydin M, Ayhan Y, Baethge C, Bauer R, Baune BT, Balaban C, Becerra-Palars C, Behere AP, Behere PB, Belete H, Belete T, Belizario GO, Bellivier F, Belmaker RH, Benedetti F, Berk M, Bersudsky Y, Bickaci S, Birabwa-Oketcho H, Bjella TD, Brady C, Cabrera J, Cappucciati M, Paredes Castro AM, Chen W-L, Wo Cheung EY, Chiesa S, Crowe M, Cuomo A, Dallaspezia S, Del Zompo M, Desai P, Dodd S, Donix M, Etain B, Fagiolini A, Fellendorf FT, Ferensztajn-Rochowiak E, Fiedorowicz JG, Fountoulakis KN, Frye MA, Geoffroy PA, Gonzalez-Pinto A, Gottlieb JF, Grof P, Haarman BCM, Harima H, Hasse-Sousa M, Henry C, Høffding L, Houenou J, Imbesi M, Isometsä ET, Ivkovic M, Janno S, Johnsen S, Kapczinski F, Karakatsoulis GN, Kardell M, Kessing LV, Kim SJ, König B, Kot TL, Koval M, Kunz M, Lafer B, Landén M, Larsen ER, Lenger M, Lewitzka U, Licht RW, Lopez-Jaramillo C, MacKenzie A, Madsen HØ, Madsen SAKA, Mahadevan J, Mahardika A, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Martiny K, Mashima Y, McLoughlin DM, Meesters Y, Melle I, Meza-Urzuá F, Ming MY, Monteith S, Moorthy M, Morken G, Mosca E, Mozzhegorov AA, Munoz R, Mythri SV, Nacef F, Nadella RK, Nakanotani T, Nielsen RE, O'Donovan C, Omrani A, Osher Y, Ouali U, Pantovic-Stefanovic M, Parwatcharakul P, Petite J, Pfennig A, Pica Ruiz Y, Pilhatsch M, Pinna M, Pompili M, Porter R, Quiroz D, Rabelo-da-Ponte FD, Ramesar R, Rasgon N, Ratta-apha W, Ratzenhofer M, Redahan M, Reddy MS, Reif A, Reininghaus EZ, Gringer Richards J, Ritter P, Rybakowski JK, Sathyaputri L, Scippa ÂM, Simhandl C, Severus E, Smith D, Smith J, Stackhouse Jr. PW, Stein DJ, Stillwell K, Strejilevich S, Su I-P, Subramaniam M, Sulaiman AH, Suominen K, Tanra AJ, Tatebayashi Y, The WL, Tondo L, Torrent C, Tuinstra D, Uchida T, Vaaler AE, Veeh J, Vieta E, Viswanath B, Yoldi-Negrete M, Yalcinkaya OK, Young AH, Zgueb Y, Whybrow PC: Variations in seasonal solar insolation are associated with a history of suicide attempts in bipolar I disorder. *International Journal of Bipolar Disorders* 9: 26, 2021.
334. Le Clerc S, Lombardi L, Baune BT, Amare AT, Schubert KO, Hou L, Clark SR, Papiol S, Cearns M, Heilbronner U, Degenhardt F, Tekola-Ayele F, Hsu YH, Shekhtman T, Adli M, Akula N, Akiyama K, Arda R, Arias B, Aubry JM, Backlund L, Bhattacharjee AK, Bellivier F, Benabarre A, Bengesser S, Biernacka JM, Birner A, Brichant-Petitjean C, Cervantes P, Chen HC, Chillotti C, Cichon S, Cruceanu C, Czerski PM, Dalkner N, Dayer A, Del Zompo M, DePaulo JR, Étain B, Jamain S, Falkai P, Forstner AJ, Frisen L, Frye MA, Fullerton JM, Gard S, Garnham JS, Goes FS, Grigoriu-Serbanescu M, Grof P, Hashimoto R, Hauser J, Herms S, Hoffmann P, Jiménez E, Kahn JP, Kassem L, Kuo PH, Kato T, Kelsoe JR, Kittel-Schneider S, Ferensztajn-Rochowiak E, König B, Kusumi I, Laje G, Landén M, Lavebratt C, Leckband SG, Tortorella A, Manchia M, Martinsson L, McCarthy MJ, McElroy SL, Colom F, Millischer V, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Nöthen MM, Novák T, O'Donovan C, Ozaki N, Ösby U, Pfennig A, Potash JB, Reif A, Reininghaus E, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schweizer BW, Severino G, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Pisanu C, Squassina A, Stamm T, Stopkova P, Maj M, Turecki G, Vieta E, Veeh J, Witt SH, Wright A, Zandi PP, Mitchell PB, Bauer M, **Alda M**, Rietschel M, McMahon FJ, Schulze TG, Spadoni JL, Boukouaci W, Richard JR, Le Corvoisier P, Barrau C, Zagury JF, Leboyer M, Tamouza R: HLA-DRB1 and HLA-DQB1 genetic diversity modulates response to lithium in bipolar affective disorders. *Scientific Reports* 11: 17823, 2021.
335. Santos R, Linker SB, Stern S, Mendes APD, Shokhirev MN, Erikson G, Randolph-Moore L, Racha V, Kim Y, Kelsoe JR, Bang AG, **Alda M**, Marchetto MC, Gage FH: Deficient LEF1 expression is associated with lithium resistance and hyperexcitability in neurons derived from bipolar disorder patients. *Molecular Psychiatry* 26: 2440 - 2456, 2021.
336. Amare AT, Schubert KO, Hou L, Clark SR, Papiol S, Cearns M, Heilbronner U, Degenhardt F,

- Tekola-Ayele F, Hsu YH, Shekhtman T, Adli M, Akula N, Akiyama K, Arda R, Arias B, Aubry JM, Backlund L, Bhattacharjee AK, Bellivier F, Benabarre A, Bengesser S, Biernacka JM, Birner A, Brichant-Petitjean C, Cervantes P, Chen HC, Chillotti C, Cichon S, Cruceanu C, Czerski PM, Dalkner N, Dayer A, Del Zompo M, DePaulo JR, Étain B, Jamain S, Falkai P, Forstner AJ, Frisen L, Frye MA, Fullerton JM, Gard S, Garnham JS, Goes FS, Grigoriu-Serbanescu M, Grof P, Hashimoto R, Hauser J, Herms S, Hoffmann P, Hofmann A, Jiménez E, Kahn JP, Kassem L, Kuo PH, Kato T, Kelsoe JR, Kittel-Schneider S, Kliwiczki S, König B, Kusumi I, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, Tortorella A, Manchia M, Martinsson L, McCarthy MJ, McElroy SL, Colom F, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Nöthen MM, Novák T, O'Donovan C, Ozaki N, Ösby U, Pfennig A, Potash JB, Reif A; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Reininghaus E, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schweizer BW, Severino G, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Squassina A, Stamm T, Stopkova P, Maj M, Turecki G, Vieta E, Veeh J, Witt SH, Wright A, Zandi PP, Mitchell PB*, Bauer M*, **Alda M***, Rietschel M*, McMahon FJ*, Schulze TG*, Baune B*: Association of polygenic score for major depression with response to lithium in patients with bipolar disorder. *Molecular Psychiatry* 26: 2457 - 2470, 2021.
337. Ortiz A, Bradler K, Mowete M, MacLean S, Garnham J, Slaney C, Mulsant BH, **Alda M**: The futility of long-term predictions in bipolar disorder: Mood fluctuations are the result of deterministic chaotic processes. *International Journal of Bipolar Disorders* 9: 30, 2021.
338. Ahmed I, Ma V, Liu Y, Khan MS, Liu Z, Zhang C, Paidi SK, Manno FAM, Amjad N, Manno SHC, Ahmed R, Law AWL, Ali A, Raza F, Zhang Y, Cho WCS, Barman I, **Alda M**, Bergink V, Lau C: Lithium from breast milk inhibits thyroid iodine uptake and hormone production, which are remedied by maternal iodine supplementation. *Bipolar Disorders* 23: 615 - 625, 2021.
339. Han LKM, Dinga R, Hahn T, Ching CRK, Eyler LT, Aftanas L, Aghajani M, Aleman A, Baune BT, Berger K, Brak I, Filho GB, Carballo A, Connolly CG, Couvy-Duchesne B, Cullen KR, Dannlowski U, Davey CG, Dima D, Duran FLS, Enneking V, Filimonova E, Frenzel S, Frodl T, Fu CHY, Godlewska BR, Gotlib IH, Grabe HJ, Groenewold NA, Grotegerd D, Gruber O, Hall GB, Harrison BJ, Hatton SN, Hermesdorf M, Hickie IB, Ho TC, Hosten N, Jansen A, Kähler C, Kircher T, Klimes-Dougan B, Krämer B, Krug A, Lagopoulos J, Leenings R, MacMaster FP, MacQueen G, McIntosh A, McLellan Q, McMahon KL, Medland SE, Mueller BA, Mwangi B, Osipov E, Portella MJ, Pozzi E, Reneman L, Reppe J, Rosa PGP, Sacchet MD, Sämann PG, Schnell K, Schranke A, Simulionyte E, Soares JC, Sommer J, Stein DJ, Steinsträter O, Strike LT, Thomopoulos SI, van Tol MJ, Veer IM, Vermeiren RRJM, Walter H, van der Wee NJA, van der Werff SJA, Whalley H, Winter NR, Wittfeld K, Wright MJ, Wu MJ, Völzke H, Yang TT, Zannias V, de Zubicaray GI, Zunta-Soares GB, Abé C, **Alda M**, Andreassen OA, Bøen E, Bonnin CM, Canales-Rodriguez EJ, Cannon D, Caseras X, Chaim-Avancini TM, Elvsåshagen T, Favre P, Foley SF, Fullerton JM, Goikolea JM, Haarman BCM, Hajek T, Henry C, Houenou J, Howells FM, Ingvar M, Kuplicki R, Lafer B, Landén M, Machado-Vieira R, Malt UF, McDonald C, Mitchell PB, Nabulsi L, Otaduy MCG, Overs BJ, Polosan M, Pomarol-Clotet E, Radua J, Rive MM, Roberts G, Ruhe HG, Salvador R, Sarró S, Satterthwaite TD, Savitz J, Schene AH, Schofield PR, Serpa MH, Sim K, Soeiro-de-Souza MG, Sutherland AN, Temmingh HS, Timmons GM, Uhlmann A, Vieta E, Wolf DH, Zanetti MV, Jahanshad N, Thompson PM, Veltman DJ, Penninx BWJH, Marquand AF, Cole JH, Schmaal L: Brain aging in major depressive disorder: Results from the ENIGMA major depressive disorder working group. *Molecular Psychiatry* 26: 5124 - 5139, 2021.
340. Mishra HK, Ying NM, Luis A, Wei H, Nguyen M, Nakhla T, Vandenburg S, **Alda M**, Berrettini WH, Brennand KJ, Calabrese JR, Coryell WH, Frye MA, Gage FH, Gershon ES, McInnis MG, Nievergelt CM, Nurnberger JI, Shilling PD, Oedegaard KJ, Zandi PP; Pharmacogenomics of Bipolar Disorder Study, Kelsoe JR, Welsh DK, McCarthy MJ: Circadian rhythms in bipolar disorder patient-derived neurons predict lithium response: Preliminary studies. *Molecular Psychiatry* 26: 3383 - 3394, 2021.

341. Kupka R, Duffy A, Scott J, Almeida J, Balanzá-Martínez V, Birmaher B, Bond DJ, Brietzke E, Chendo I, Frey BN, Grande I, Hafeman D, Hajek T, Hillegers M, Kauer-Sant'Anna M, Mansur RB, van der Markt A, Post R, Tohen M, Tremain H, Vazquez G, Vieta E, Yatham LN, Berk M, **Alda M***, Kapczinski F: Consensus on nomenclature for clinical staging models in bipolar disorder: A narrative review from the International Society for Bipolar Disorders (ISBD) Staging Task Force. *Bipolar Disorders* 23: 659 - 678, 2021.
342. Schubert KO, Thalamuthu A, Amare AT, Frank J, Streit F, Adl M, Akula N, Akiyama K, Ardau R, Arias B, Aubry JM, Backlund L, Bhattacharjee AK, Bellivier F, Benabarre A, Bengesser S, Biernacka JM, Birner A, Marie-Claire C, Cearns M, Cervantes P, Chen HC, Chillotti C, Cichon S, Clark SR, Cruceanu C, Czerski PM, Dalkner N, Dayer A, Degenhardt F, Del Zompo M, DePaulo JR, Étain B, Falkai P, Forstner AJ, Frisen L, Frye MA, Fullerton JM, Gard S, Garnham JS, Goes FS, Grigoriu-Serbanescu M, Grof P, Hashimoto R, Hauser J, Heilbronner U, Herms S, Hoffmann P, Hou L, Hsu YH, Jamain S, Jiménez E, Kahn JP, Kassem L, Kuo PH, Kato T, Kelsoe J, Kittel-Schneider S, Ferensztajn-Rochowiak E, König B, Kusumi I, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, Maj M, Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Manchia M, Martinsson L, McCarthy MJ, McElroy S, Colom F, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Nöthen MM, Novák T, O'Donovan C, Ozaki N, Ösby U, Papiol S, Pfennig A, Pisanu C, Potash JB, Reif A, Reininghaus E, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schweizer BW, Severino G, Shekhtman T, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Squassina A, Stamm T, Stopkova P, Tekola-Ayele F, Tortorella A, Turecki G, Veeh J, Vieta E, Witt SH, Roberts G, Zandi PP, **Alda M**, Bauer M, McMahon FJ, Mitchell PB, Schulze TG, Rietschel M, Baune BT: Combining schizophrenia and depression polygenic risk scores improves the genetic prediction of lithium response in bipolar disorder patients. *Translational Psychiatry* 11: 606, 2021.
343. Lin Y, Maihofer AX, Stapp E, Ritchey M, Alliey-Rodriguez N, Anand A, Balaraman Y, Berrettini WH, Bertram H, Bhattacharjee A, Calkin CV, Conroy C, Coryell W, D'Arcangelo N, DeModena A, Biernacka JM, Fisher C, Frazier N, Frye M, Gao K, Garnham J, Gershon E, Glazer K, Goes FS, Goto T, Karberg E, Harrington G, Jakobsen P, Kamali M, Kelly M, Leckband SG, Lohoff FW, Stautland A, McCarthy MJ, McInnis MG, Mondimore F, Morken G, Nurnberger JI, Oedegaard KJ, Syrtstad VEG, Ryan K, Schinagle M, Schoeyen H, Andreassen OA, Shaw M, Shilling PD, Slaney C, Tarwater B, Calabrese JR, **Alda M**, Nievergelt CM, Zandi PP, Kelsoe JR: Clinical predictors of non-response to lithium treatment in the Pharmacogenomics of Bipolar Disorder (PGBD) study. *Bipolar Disorders* 23: 821 - 831, 2021.
344. Yatham LN, Chakrabarty T, Bond DJ, Schaffer A, Beaulieu S, Parikh SV, McIntyre RS, Milev, RV, **Alda M**, Vasquez G, Ravindran AV, Frey BN, Sharma V, Goldstein BI, Rej S, O'Donovan C, Tourjman V, Kozicky J, Kauer-Sant'Anna M, Malhi G, Suppes T, Vieta E, Kapczinski F, Kanba S, Lam RW, Kennedy SH, Calabrese J, Berk M, Post R: Canadian Network for Mood and Anxiety Treatments (CANMAT) and International Society for Bipolar Disorders (ISBD) recommendations for the management of patients with bipolar disorder with mixed presentations. *Bipolar Disorders* 23: 767 - 788, 2021.
345. McWhinney SR, Abé C, **Alda M**, Benedetti F, Bøen E, Del Mar Bonnin C, Borgers T, Brosch K, Canales-Rodríguez EJ, Cannon DM, Dannlowski U, Díaz-Zuluaga AM, Elvsåshagen T, Eyler LT, Fullerton JM, Goikolea JM, Goltermann J, Grotegerd D, Haarman BCM, Hahn T, Howells FM, Ingvar M, Kircher TTJ, Krug A, Kuplicki RT, Landén M, Lemke H, Liberg B, Lopez-Jaramillo C, Malt UF, Martyn FM, Mazza E, McDonald C, McPhilemy G, Meier S, Meinert S, Meller T, Melloni EMT, Mitchell PB, Nabulsi L, Nenadic I, Opel N, Ophoff RA, Overs BJ, Pfarr JK, Pineda-Zapata JA, Pomarol-Clotet E, Raduà J, Repple J, Richter M, Ringwald KG, Roberts G, Salvador R, Savitz J, Schmitt S, Schofield PR, Sim K, Stein DJ, Stein F, Temmingh HS, Thiel K, van Haren NEM, Gestel HV, Vargas C, Vieta E, Vreeker A, Waltemate L, Yatham LN, Ching CRK, Andreassen O, Thompson PM, Hajek T; ENIGMA Bipolar Disorders Working Group: Association between body mass index

and subcortical brain volumes in bipolar disorders - ENIGMA study in 2735 individuals. *Molecular Psychiatry* 26: 6806 - 6819, 2021.

346. Kalman JL, Olde Loohuis LM, Vreeker A, McQuillin A, Stahl EA, Ruderfer D, Grigoriou-Serbanescu M, Panagiotaropoulou G, Ripke S, Bigdeli TB, Stein F, Meller T, Meinert S, Pelin H, Streit F, Papiol S, Adams MJ, Adolfsson R, Adorjan K, Agartz I, Aminoff SR, Anderson-Schmidt H, Andreassen OA, Ardaur R, Aubry JM, Balaban C, Bass N, Baune BT, Bellivier F, Benabarre A, Bengesser S, Berrettini WH, Boks MP, Bromet EJ, Brosch K, Budde M, Byerley W, Cervantes P, Chillotti C, Cichon S, Clark SR, Comes AL, Corvin A, Coryell W, Craddock N, Craig DW, Croarkin PE, Cruceanu C, Czerski PM, Dalkner N, Dannlowski U, Degenhardt F, Del Zompo M, DePaulo JR, Djurovic S, Edenberg HJ, Eissa MA, Elvsåshagen T, Etain B, Fanous AH, Fellendorf F, Fiorentino A, Forstner AJ, Frye MA, Fullerton JM, Gade K, Garnham J, Gershon E, Gill M, Goes FS, Gordon-Smith K, Grof P, Guzman-Parra J, Hahn T, Hasler R, Heilbronner M, Heilbronner U, Jamain S, Jimenez E, Jones I, Jones L, Jonsson L, Kahn RS, Kelsoe JR, Kennedy JL, Kircher T, Kirov G, Kittel-Schneider S, Klöhn-Saghatolislam F, Knowles JA, Kranz TM, Lagerberg TV, Landen M, Lawson WB, Leboyer M, Li QS, Maj M, Malaspina D, Manchia M, Mayoral F, McElroy SL, McInnis MG, McIntosh AM, Medeiros H, Melle I, Milanova V, Mitchell PB, Monteleone P, Monteleone AM, Nöthen MM, Novak T, Nurnberger JI, O'Brien N, O'Connell KS, O'Donovan C, O'Donovan MC, Opel N, Ortiz A, Owen MJ, Pålsson E, Pato C, Pato MT, Pawlak J, Pfarr JK, Pisanu C, Potash JB, Rapaport MH, Reich-Erkelenz D, Reif A, Reininghaus E, Reppe J, Richard-Lepouriel H, Rietschel M, Ringwald K, Roberts G, Rouleau G, Schaupp S, Scheftner WA, Schmitt S, Schofield PR, Schubert KO, Schulte EC, Schweizer B, Senner F, Severino G, Sharp S, Slaney C, Smeland OB, Sobell JL, Squassina A, Stopkova P, Strauss J, Tortorella A, Turecki G, Twarowska-Hauser J, Veldic M, Vieta E, Vincent JB, Xu W, Zai CC, Zandi PP; Psychiatric Genomics Consortium (PGC) Bipolar Disorder Working Group; International Consortium on Lithium Genetics (ConLiGen); Colombia-US Cross Disorder Collaboration in Psychiatric Genetics, Di Florio A, Smoller JW, Biernacka JM, McMahon FJ, **Alda M**, Müller-Myhsok B, Koutsouleris N, Falkai P, Freimer NB, Andlauer TFM, Schulze TG, Ophoff RA: Characterisation of age and polarity at onset in bipolar disorders. *British Journal of Psychiatry* 219: 659 - 669, 2021.
347. Coombes BJ, Millischer V, Batzler A, Larrabee B, Hou L, Papiol S, Heilbronner U, Adli M, Akiyama K, Akula N, Amare AT, Ardaur R, Arias B, Aubry JM, Backlund L, Bauer M, Baune BT, Bellivier F, Benabarre A, Bengesser S, Bhattacharjee AK, Cervantes P, Chen HC, Chillotti C, Cichon S, Clark SR, Colom F, Cruceanu C, Czerski PM, Dalkner N, Degenhardt F, Del Zompo M, DePaulo JR, Étain B, Falkai P, Ferensztajn-Rochowiak E, Forstner AJ, Frisen L, Gard S, Garnham JS, Goes FS, Grigoriou-Serbanescu M, Grof P, Hashimoto R, Hauser J, Herms S, Hoffmann P, Jamain S, Jiménez E, Kahn JP, Kassem L, Kato T, Kelsoe JR, Kittel-Schneider S, König B, Kuo PH, Kusumi I, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, Maj M, Manchia M, Martinsson L, McCarthy MJ, McElroy SL, Mitchell PB, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Nöthen MM, Novák T, O'Donovan C, Osby U, Ozaki N, Pfennig A, Pisanu C, Potash JB, Reif A, Reininghaus E, Rietschel M, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schubert KO, Schweizer BW, Severino G, Shekhtman T, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Squassina A, Stamm T, Stopkova P, Tortorella A, Turecki G, Vieta E, Witt SH, Zandi PP, Fullerton JM, **Alda M**, Frye MA, Schulze TG, McMahon FJ, Biernacka JM: Association of attention-deficit/hyperactivity disorder and depression polygenic scores with lithium response: A consortium for lithium genetics study. *Complex Psychiatry* 7: 80 - 89, 2021.
348. Ortiz A, Bradler K, Moorti P, MacLean S, Husain MI, Sanches M, Goldstein BI, **Alda M**, Mulsant BH: Increased sympathetic tone is associated with illness burden in bipolar disorder. *Journal of Affective Disorders* 297: 471 - 476, 2022.
349. Blokland GAM, Grove J, Chen CY, Cotsapas C, Tobet S, Handa R; Schizophrenia Working Group of the Psychiatric Genomics Consortium, St Clair D, Lencz T, Mowry BJ, Periyasamy S, Cairns MJ, Tooney PA, Wu JQ, Kelly B, Kirov G, Sullivan PF, Corvin A, Riley BP, Esko T, Milani L, Jönsson

- EG, Palotie A, Ehrenreich H, Begemann M, Steixner-Kumar A, Sham PC, Iwata N, Weinberger DR, Gejman PV, Sanders AR, Buxbaum JD, Rujescu D, Giegling I, Konte B, Hartmann AM, Bramon E, Murray RM, Pato MT, Lee J, Melle I, Molden E, Ophoff RA, McQuillin A, Bass NJ, Adolfsson R, Malhotra AK; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium, Martin NG, Fullerton JM, Mitchell PB, Schofield PR, Forstner AJ, Degenhardt F, Schapp S, Comes AL, Kogevinas M, Guzman-Parra J, Reif A, Streit F, Sirignano L, Cichon S, Grigoriu-Serbanescu M, Hauser J, Lissowska J, Mayoral F, Müller-Myhsok B, Świątkowska B, Schulze TG, Nöthen MM, Rietschel M, Kelsoe J, Leboyer M, Jamain S, Etain B, Bellivier F, Vincent JB, **Alda M**, O'Donovan C, Cervantes P, Biernacka JM, Frye M, McElroy SL, Scott LJ, Stahl EA, Landén M, Hamshere ML, Smeland OB, Djurovic S, Vaaler AE, Andreassen OA; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Baune BT, Air T, Preisig M, Uher R, Levinson DF, Weissman MM, Potash JB, Shi J, Knowles JA, Perlis RH, Lucae S, Boomsma DI, Penninx BWJH, Hottenga JJ, de Geus EJC, Willemsen G, Milaneschi Y, Tiemeier H, Grabe HJ, Teumer A, Van der Auwera S, Völker U, Hamilton SP, Magnusson PKE, Viktorin A, Mehta D, Mullins N, Adams MJ, Breen G, McIntosh AM, Lewis CM; Sex Differences Cross-Disorder Analysis Group of the Psychiatric Genomics Consortium; iPSYCH, Hougaard DM, Nordentoft M, Mors O, Mortensen PB, Werge T, Als TD, Børglum AD, Petryshen TL, Smoller JW, Goldstein JM: Sex-dependent shared and nonshared genetic architecture across mood and psychotic disorders. *Biological Psychiatry* 91: 102 - 117, 2022.
350. Ching CRK, Hibar DP, Gurholt TP, Nunes A, Thomopoulos SI, Abé C, Agartz I, Brouwer RM, Cannon DM, de Zwarte SMC, Eyler LT, Favre P, Hajek T, Haukvik UK, Houenou J, Landén M, Lett TA, McDonald C, Nabulsi L, Patel Y, Pauling ME, Paus T, Radua J, Soeiro-de-Souza MG, Tronchin G, van Haren NEM, Vieta E, Walter H, Zeng LL, **Alda M**, Almeida J, Alnaes D, Alonso-Lana S, Altimus C, Bauer M, Baune BT, Bearden CE, Bellani M, Benedetti F, Berk M, Bilderbeck AC, Blumberg HP, Bøen E, Bollettini I, Del Mar Bonnin C, Brambilla P, Canales-Rodríguez EJ, Caseras X, Dandash O, Dannlowski U, Delvecchio G, Díaz-Zuluaga AM, Dima D, Duchesnay É, Elvsåshagen T, Fears SC, Frangou S, Fullerton JM, Glahn DC, Goikolea JM, Green MJ, Grotegerd D, Gruber O, Haarman BCM, Henry C, Howells FM, Ives-Deliperi V, Jansen A, Kircher TTJ, Knöchel C, Kramer B, Lafer B, López-Jaramillo C, Machado-Vieira R, MacIntosh BJ, Melloni EMT, Mitchell PB, Nenadic I, Nery F, Nugent AC, Oertel V, Ophoff RA, Ota M, Overs BJ, Pham DL, Phillips ML, Pineda-Zapata JA, Poletti S, Polosan M, Pomarol-Clotet E, Pouchon A, Quidé Y, Rive MM, Roberts G, Ruhe HG, Salvador R, Sarró S, Satterthwaite TD, Schene AH, Sim K, Soares JC, Stäblein M, Stein DJ, Tamnes CK, Thomaidis GV, Upegui CV, Veltman DJ, Wessa M, Westlye LT, Whalley HC, Wolf DH, Wu MJ, Yatham LN, Zarate CA, Thompson PM, Andreassen OA; ENIGMA Bipolar Disorder Working Group: What we learn about bipolar disorder from large-scale neuroimaging: Findings and future directions from the ENIGMA Bipolar Disorder Working Group. *Human Brain Mapping* 43: 56 - 82, 2022.
351. Haukvik UK, Gurholt TP, Nerland S, Elvsåshagen T, Akudjedu TN, **Alda M**, Alnaes D, Alonso-Lana S, Bauer J, Baune BT, Benedetti F, Berk M, Bettella F, Bøen E, Bonnin CM, Brambilla P, Canales-Rodríguez EJ, Cannon DM, Caseras X, Dandash O, Dannlowski U, Delvecchio G, Díaz-Zuluaga AM, van Erp TGM, Fatjó-Vilas M, Foley SF, Förster K, Fullerton JM, Goikolea JM, Grotegerd D, Gruber O, Haarman BCM, Haatveit B, Hajek T, Hallahan B, Harris M, Hawkins EL, Howells FM, Hülsmann C, Jahanshad N, Jørgensen KN, Kircher T, Krämer B, Krug A, Kuplicki R, Lagerberg TV, Lancaster TM, Lenroot RK, Lonning V, López-Jaramillo C, Malt UF, McDonald C, McIntosh AM, McPhilemy G, van der Meer D, Melle I, Melloni EMT, Mitchell PB, Nabulsi L, Nenadić I, Oertel V, Oldani L, Opel N, Otaduy MCG, Overs BJ, Pineda-Zapata JA, Pomarol-Clotet E, Radua J, Rauer L, Redlich R, Reppe J, Rive MM, Roberts G, Ruhe HG, Salminen LE, Salvador R, Sarró S, Savitz J, Schene AH, Sim K, Soeiro-de-Souza MG, Stäblein M, Stein DJ, Stein F, Tamnes CK, Temmingh HS, Thomopoulos SI, Veltman DJ, Vieta E, Waltemate L, Westlye LT, Whalley HC, Sämann PG, Thompson PM, Ching CRK, Andreassen OA, Agartz I; ENIGMA Bipolar Disorder Working Group:

In vivo hippocampal subfield volumes in bipolar disorder-A mega-analysis from The Enhancing Neuro Imaging Genetics through Meta-Analysis Bipolar Disorder Working Group. *Human Brain Mapping* 43: 385 - 398, 2022.

352. de Zwarte SMC, Brouwer RM, Agartz I, **Alda M**, Alonso-Lana S, Bearden CE, Bertolino A, Bonvino A, Bramon E, Buimer EEL, Cahn W, Canales-Rodríguez EJ, Cannon DM, Cannon TD, Caseras X, Castro-Fornieles J, Chen Q, Chung Y, De la Serna E, Del Mar Bonnin C, Demro C, Di Giorgio A, Doucet GE, Eker MC, Erk S, Fatjó-Vilas M, Fears SC, Foley SF, Frangou S, Fullerton JM, Glahn DC, Goghari VM, Goikolea JM, Goldman AL, Gonul AS, Gruber O, Hajek T, Hawkins EL, Heinz A, Hidiröglu Ongun C, Hillegers MHJ, Houenou J, Hulshoff Pol HE, Hultman CM, Ingvar M, Johansson V, Jönsson EG, Kane F, Kempton MJ, Koenis MMG, Kopecek M, Krämer B, Lawrie SM, Lenroot RK, Marcelis M, Mattay VS, McDonald C, Meyer-Lindenberg A, Michielse S, Mitchell PB, Moreno D, Murray RM, Mwangi B, Nabulsi L, Newport J, Olman CA, van Os J, Overs BJ, Ozerdem A, Pergola G, Picchioni MM, Piguet C, Pomarol-Clotet E, Radua J, Ramsay IS, Richter A, Roberts G, Salvador R, Saricicek Aydogan A, Sarró S, Schofield PR, Simsek EM, Simsek F, Soares JC, Sponheim SR, Sugranyes G, Touloupoulou T, Tronchin G, Vieta E, Walter H, Weinberger DR, Whalley HC, Wu MJ, Yalin N, Andreassen OA, Ching CRK, Thomopoulos SI, van Erp TGM, Jahanshad N, Thompson PM, Kahn RS, van Haren NEM: Intelligence, educational attainment, and brain structure in those at familial high-risk for schizophrenia or bipolar disorder. *Human Brain Mapping* 43: 414 - 430, 2022.
353. Mullins N, Kang J, Campos AI, Coleman JRI, Edwards AC, Galfalvy H, Levey DF, Lori A, Shabalin A, Starnawska A, Su MH, Watson HJ, Adams M, Awasthi S, Gandal M, Hafferty JD, Hishimoto A, Kim M, Okazaki S, Otsuka I, Ripke S, Ware EB, Bergen AW, Berrettini WH, Bohus M, Brandt H, Chang X, Chen WJ, Chen HC, Crawford S, Crow S, DiBlasi E, Duriez P, Fernández-Aranda F, Fichter MM, Gallinger S, Glatt SJ, Gorwood P, Guo Y, Hakonarson H, Halmi KA, Hwu HG, Jain S, Jamain S, Jiménez-Murcia S, Johnson C, Kaplan AS, Kaye WH, Keel PK, Kennedy JL, Klump KL, Li D, Liao SC, Lieb K, Lilienfeld L, Liu CM, Magistretti PJ, Marshall CR, Mitchell JE, Monson ET, Myers RM, Pinto D, Powers A, Ramoz N, Roepke S, Rozanov V, Scherer SW, Schmahl C, Sokolowski M, Strober M, Thornton LM, Treasure J, Tsuang MT, Witt SH, Woodside DB, Yilmaz Z, Zillich L, Adolfsson R, Agartz I, Air TM, **Alda M**, Alfredsson L, Andreassen OA, Anjorin A, Appadurai V, Soler Artigas M, Van der Auwera S, Azevedo MH, Bass N, Bau CHD, Baune BT, Bellivier F, Berger K, Biernacka JM, Bigdeli TB, Binder EB, Boehnke M, Boks MP, Bosch R, Braff DL, Bryant R, Budde M, Byrne EM, Cahn W, Casas M, Castela E, Cervilla JA, Chaumette B, Cichon S, Corvin A, Craddock N, Craig D, Degenhardt F, Djurovic S, Edenberg HJ, Fanous AH, Foo JC, Forstner AJ, Frye M, Fullerton JM, Gatt JM, Gejman PV, Giegling I, Grabe HJ, Green MJ, Grevet EH, Grigoriu-Serbanescu M, Gutierrez B, Guzman-Parra J, Hamilton SP, Hamshere ML, Hartmann A, Hauser J, Heilmann-Heimbach S, Hoffmann P, Ising M, Jones I, Jones LA, Jonsson L, Kahn RS, Kelsoe JR, Kendler KS, Kloiber S, Koenen KC, Kogevinas M, Konte B, Krebs MO, Landén M, Lawrence J, Leboyer M, Lee PH, Levinson DF, Liao C, Lissowska J, Lucae S, Mayoral F, McElroy SL, McGrath P, McGuffin P, McQuillin A, Medland SE, Mehta D, Melle I, Milaneschi Y, Mitchell PB, Molina E, Morken G, Mortensen PB, Müller-Myhsok B, Nievergelt C, Nimgaonkar V, Nöthen MM, O'Donovan MC, Ophoff RA, Owen MJ, Pato C, Pato MT, Penninx BWJH, Pimm J, Pistis G, Potash JB, Power RA, Preisig M, Quested D, Ramos-Quiroga JA, Reif A, Ribasés M, Richarte V, Rietschel M, Rivera M, Roberts A, Roberts G, Rouleau GA, Rovaris DL, Rujescu D, Sánchez-Mora C, Sanders AR, Schofield PR, Schulze TG, Scott LJ, Serretti A, Shi J, Shyn SI, Sirignano L, Sklar P, Smeland OB, Smoller JW, Sonuga-Barke EJS, Spalletta G, Strauss JS, Świątkowska B, Trzaskowski M, Turecki G, Vilar-Ribó L, Vincent JB, Völzke H, Walters JTR, Shannon Weickert C, Weickert TW, Weissman MM, Williams LM, Wray NR, Zai CC, Ashley-Koch AE, Beckham JC, Hauser ER, Hauser MA, Kimbrel NA, Lindquist JH, McMahon B, Oslin DW, Qin X; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium; Eating Disorders Working Group of the Psychiatric Genomics Consortium:

- German Borderline Genomics Consortium; MVP Suicide Exemplar Workgroup; VA Million Veteran Program, Agerbo E, Børglum AD, Breen G, Erlangsen A, Esko T, Gelernter J, Hougaard DM, Kessler RC, Kranzler HR, Li QS, Martin NG, McIntosh AM, Mors O, Nordentoft M, Olsen CM, Porteous D, Ursano RJ, Wasserman D, Werge T, Whiteman DC, Bulik CM, Coon H, Demontis D, Docherty AR, Kuo PH, Lewis CM, Mann JJ, Rentería ME, Smith DJ, Stahl EA, Stein MB, Streit F, Willour V, Ruderfer DM: Dissecting the shared genetic architecture of suicide attempt, psychiatric disorders, and known risk factors. *Biological Psychiatry* 91: 313 - 327, 2022.
354. Wang H, **Alda M**, Trappenberg, T, Nunes A: A scoping review and comparison of approaches for measuring genetic heterogeneity in psychiatric disorders. *Psychiatric Genetics* 32: 1 - 8, 2022.
 355. Parker G, Spoelma MJ, Tavella G, **Alda M**, Dunner DL, O'Donovan C, Rybakowski JK, Bayes A, Sharma V, Boyce P, Manicavasagar V: A new machine learning-derived screening measure for differentiating bipolar from unipolar mood disorders. *Journal of Affective Disorders* 299: 513 - 516, 2022.
 356. Calkin CV, Chengappa KNR, Cairns K, Cookey J, Gannon J, **Alda M**, O'Donovan C, Reardon C, Sanches M, Ruzickova M: Treating insulin resistance with metformin as a strategy to improve clinical outcomes in treatment-resistant bipolar depression (the TRIO-BD study): A randomized, quadruple-masked, placebo-controlled clinical trial. *Journal of Clinical Psychiatry* 83: 21m14022, 2022.
 357. Abé C, Ching CRK, Liberg B, Lebedev AV, Agartz I, Akudjedu TN, **Alda M**, Alnæs D, Alonso-Lana S, Benedetti F, Berk M, Bøen E, Bonnin CDM, Breuer F, Brosch K, Brouwer RM, Canales-Rodríguez EJ, Cannon DM, Chye Y, Dahl A, Dandash O, Dannlowski U, Dohm K, Elvsåshagen T, Fisch L, Fullerton JM, Goikolea JM, Grotegerd D, Haatveit B, Hahn T, Hajek T, Heindel W, Ingvar M, Sim K, Kircher TTJ, Lenroot RK, Malt UF, McDonald C, McWhinney SR, Melle I, Meller T, Melloni EMT, Mitchell PB, Nabulsi L, Nenadić I, Opel N, Overs BJ, Panicalli F, Pfarr JK, Poletti S, Pomarol-Clotet E, Radua J, Repple J, Ringwald KG, Roberts G, Rodriguez-Cano E, Salvador R, Sarink K, Sarró S, Schmitt S, Stein F, Suo C, Thomopoulos SI, Tronchin G, Vieta E, Westlye LT, White AG, Yatham LN, Zak N, Thompson PM, Andreassen OA, Landén M; ENIGMA Bipolar Disorder Working Group: Longitudinal structural brain changes in bipolar disorder: A multicenter neuroimaging study of 1232 individuals by the ENIGMA Bipolar Disorder Working Group. *Biological Psychiatry* 91: 582 - 592, 2022.
 358. Ortiz A, Hintze A, Burnett R, Gonzalez-Torres C, Unger S, Yang D, Miao J, **Alda M**, Mulsant BH: Identifying patient-specific behaviors to understand illness trajectories and predict relapses in bipolar disorder using passive sensing and deep anomaly detection: protocol for a contactless cohort study. *BMC Psychiatry* 22: 288, 2022.
 359. Manchia M, Sani G, **Alda M***: Suicide risk and lithium. *JAMA Psychiatry* 79: 513, 2022.
 360. McWhinney SR, Abé C, **Alda M**, Benedetti F, Bøen E, Del Mar Bonnin C, Borgers T, Brosch K, Canales-Rodríguez EJ, Cannon DM, Dannlowski U, Diaz-Zuluaga AM, Dietze L, Elvsåshagen T, Eyler LT, Fullerton JM, Goikolea JM, Goltermann J, Grotegerd D, Haarman BCM, Hahn T, Howells FM, Ingvar M, Kircher TTJ, Krug A, Kuplicki RT, Landén M, Lemke H, Liberg B, Lopez-Jaramillo C, Malt UF, Martyn FM, Mazza E, McDonald C, McPhilemy G, Meier S, Meinert S, Meller T, Melloni EMT, Mitchell PB, Nabulsi L, Nenadic I, Opel N, Ophoff RA, Overs BJ, Pfarr JK, Pineda-Zapata JA, Pomarol-Clotet E, Raduà J, Repple J, Richter M, Ringwald KG, Roberts G, Ross A, Salvador R, Savitz J, Schmitt S, Schofield PR, Sim K, Stein DJ, Stein F, Temmingh HS, Thiel K, Thomopoulos SI, van Haren NEM, Van Gestel H, Vargas C, Vieta E, Vreeker A, Waltemate L, Yatham LN, Ching CRK, Andreassen OA, Thompson PM, Hajek T; ENIGMA Bipolar Disorders Working Group: Diagnosis of bipolar disorders and body mass index predict clustering based on similarities in cortical thickness - ENIGMA study in 2436 individuals. *Bipolar Disorders* 24: 509 - 520, 2022.
 361. Federoff M, McCarthy MJ, Anand A, Berrettini WH, Bertram H, Bhattacharjee A, Calkin CV, Conroy C, Coryell WH, D'Arcangelo N, DeModena A, Fisher C, Feeder S, Frazier N, Frye M, Gao K, Garnham J, Gershon E, Alliey-Rodriguez N, Glazer K, Goes F, Karberg T, Harrington G, Jakobsen

- P, Kamali M, Kelly M, Leckband SG, Lohoff F, Maihofer A, McInnis MG, Mondimore F, Morken G, Nurnberger JI, Oedegaard KJ, Ritchey M, Ryan K, Schinagle M, Schoeyen H, Schwebel C, Shaw M, Shilling PD, Slaney C, Stautland A, Tarwater B, Calabrese JR, **Alda M**, Nievergelt CM, Zandi PP, Kelsoe JR: Correction of depression-associated circadian rhythm abnormalities is associated with lithium-response in bipolar disorder. *Bipolar Disorders* 24: 521 - 529, 2022.
362. Cearns M, Amare AT, Schubert KO, Thalamuthu A, Frank J, Streit F, Adli M, Akula N, Akiyama K, Arda R, Arias B, Aubry JM, Backlund L, Bhattacharjee AK, Bellivier F, Benabarre A, Bengesser S, Biernacka JM, Birner A, Brichant-Petitjean C, Cervantes P, Chen HC, Chillotti C, Cichon S, Cruceanu C, Czerski PM, Dalkner N, Dayer A, Degenhardt F, Del Zompo MD, DePaulo JR, Étain B, Falkai P, Forstner AJ, Frisé L, Frye MA, Fullerton JM, Gard S, Garnham JS, Goes FS, Grigoriou-Serbanescu M, Grof P, Hashimoto R, Hauser J, Heilbronner U, Herms S, Hoffmann P, Hofmann A, Hou L, Hsu YH, Jamain S, Jiménez E, Kahn JP, Kassem L, Kuo PH, Kato T, Kelsoe J, Kittel-Schneider S, Kliwicz S, König B, Kusumi I, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, Maj M; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Manchia M, Martinsson L, McCarthy MJ, McElroy S, Colom F, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Nöthen MM, Novák T, O'Donovan C, Ozaki N, Millischer V, Papiol S, Pfennig A, Pisanu C, Potash JB, Reif A, Reininghaus E, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schweizer BW, Severino G, Shekhtman T, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Squassina A, Stamm T, Stopkova P, Tekola-Ayele F, Tortorella A, Turecki G, Veeh J, Vieta E, Witt SH, Roberts G, Zandi PP, **Alda M**, Bauer M, McMahon FJ, Mitchell PB, Schulze TG, Rietschel M, Clark SR, Baune BT: Using polygenic scores and clinical data for bipolar disorder patient stratification and lithium response prediction: machine learning approach. *British Journal of Psychiatry* 220: 219 – 228, 2022.
363. Pavlova B, Bagnell A, Cumby J, Vallis EH, Abidi S, Lovas D, Propper L, **Alda M**, Uher R: Sex-specific transmission of anxiety disorders from parents to offspring. *JAMA Network Open* 5: e2220919, 2022.
364. McIntyre R, **Alda M**, Baldessarini RJ, Bauer M, Berk M, Correll CU, Fagiolini A, Fountoulakis K, Frye MA, Grunze H, Kessing LV, Miklowitz DJ, Parker G, Post RM, Swann AC, Suppes T, Vieta E, Young A, Maj M: The clinical characterization of the adult patient with bipolar disorder aimed at personalization of management. *World Psychiatry* 21: 364 - 387, 2022.
365. Bauer M, Glenn T, Achtyes ED, **Alda M**, Agaoglu E, Altınbaş K, Andreassen OA, Angelopoulos E, Arda R, Aydin M, Ayhan Y, Baethge C, Bauer R, Baune BT, Balaban C, Becerra-Palars C, Behere AP, Behere PB, Belete H, Belete T, Belizario GO, Bellivier F, Belmaker RH, Benedetti F, Berk M, Bersudsky Y, Bicakci Ş, Birabwa-Oketcho H, Bjella TD, Brady C, Cabrera J, Cappucciati M, Castro AMP, Chen WL, Cheung EYW, Chiesa S, Crowe M, Cuomo A, Dallaspezia S, Del Zompo M, Desai P, Dodd S, Etain B, Fagiolini A, Fellendorf FT, Ferensztajn-Rochowiak E, Fiedorowicz JG, Fountoulakis KN, Frye MA, Geoffroy PA, Gonzalez-Pinto A, Gottlieb JF, Grof P, Haarman BCM, Harima H, Hasse-Sousa M, Henry C, Høffding L, Houenou J, Imbesi M, Isometsä ET, Ivkovic M, Janno S, Johnsen S, Kapczinski F, Karakatsoulis GN, Kardell M, Kessing LV, Kim SJ, König B, Kot TL, Koval M, Kunz M, Lafer B, Landén M, Larsen ER, Lenger M, Lewitzka U, Licht RW, Lopez-Jaramillo C, MacKenzie A, Madsen HØ, Madsen SAKA, Mahadevan J, Mahardika A, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Martiny K, Mashima Y, McLoughlin DM, Meesters Y, Melle I, Meza-Urzúa F, Mok YM, Monteith S, Moorthy M, Morken G, Mosca E, Mozzhegorov AA, Munoz R, Mythri SV, Nacef F, Nadella RK, Nakanotani T, Nielsen RE, O'Donovan C, Omrani A, Osher Y, Ouali U, Pantovic-Stefanovic M, Pariwatcharakul P, Petite J, Pfennig A, Ruiz YP, Pinna M, Pompili M, Porter R, Quiroz D, Rabelo-da-Ponte FD, Ramesar R, Rasgon N, Ratta-Apha W, Ratzenhofer M, Redahan M, Reddy MS, Reif A, Reininghaus EZ, Richards JG, Ritter P, Rybakowski JK, Sathyaputri L, Scippa ÂM, Simhandl C, Smith D, Smith J, Stackhouse PW Jr, Stein DJ, Stilwell K, Strejilevich S, Su KP, Subramaniam M, Sulaiman AH, Suominen K, Tanra AJ, Tatebayashi Y, Teh WL, Tondo L, Torrent C, Tuinstra D, Uchida T, Vaaler AE, Vieta E, Viswanath B, Yoldi-Negrete M,

- Yalcinkaya OK, Young AH, Zgueb Y, Whybrow PC: Association between polarity of first episode and solar insolation in bipolar I disorder. *Journal of Psychosomatic Research* 160: 110982, 2022.
366. Anmella G, Faurholt-Jepsen M, Hidalgo-Mazzei D, Radua J, Passos IC, Kapczinski F, Minuzzi L, **Alda M**, Meier S, Hajek T, Ballester P, Birmaher B, Hafeman D, Goldstein T, Brietzke E, Duffy A, Haarman B, López-Jaramillo C, Yatham LN, Lam RW, Isometsa E, Mansur R, McIntyre RS, Mwangi B, Vieta E, Kessing LV: Smartphone-based interventions in bipolar disorder: Systematic review and meta-analyses of efficacy. A position paper from the International Society for Bipolar Disorders (ISBD) Big Data Task Force. *Bipolar Disorders* 24: 580 - 614, 2022.
 367. Nunes A, Singh S, Allman J, Becker S, Ortiz A, Trappenberg T, **Alda M***: A critical evaluation of dynamical systems models of bipolar disorder. *Translational Psychiatry* 12: 416, 2022.
 368. Nunes A, Scott K, **Alda M***: Lessons from ecology for understanding the heterogeneity of bipolar disorder. *Journal of Psychiatry and Neuroscience* 47: E359 - E365, 2022.
 369. Kalman JL, Yoshida T, Andlauer TFM, Schulte EC, Consortium on Lithium Genetics (ConLiGen) [incl. **Alda M**], FOR2107, PsyCourse, Schulze TG, Papiol S: Investigating the phenotypic and genetic associations between personality traits and suicidal behavior across major health diagnoses. *European Archives of Psychiatry and Clinical Neuroscience* 272: 1611 - 1620, 2022.
 370. Toba-Oluboka T, Tibbo PG, Dempster K, **Alda M***: Genetic factors contribute to medication-induced QT prolongation: A review. *Psychiatry Research* 317: 114891, 2022.
 371. Bschor T, Adli M, **Alda M**, Baethge C, Etain B, Glenn T, Grof P, Hajek T, Hayes J, Manchia M, Müller-Oerlinghausen B, Nielsen RE, Ritter P, Rybakowski JK, Sani G, Selo ML, Young AH, Tondo L; International Group for The Study of Lithium Treated Patients (IGSLi): Letter of response to Nabi Z, Stansfeld J, Plöderl M, Wood L, Moncrieff J: Effects of lithium on suicide and suicidal behaviour: a systematic review and meta-analysis of randomised trials. *Epidemiology and Psychiatric Sciences* 31: e84, 2022.
 372. Kovacs Z, Vestergaard P, Licht RW, Straszek SPV, Hansen AS, Young AH, Duffy A, Müller-Oerlinghausen B, Seemueller F, Sani G, Rubakowski J, Priller J, Vedel Kessing L, Tondo L, **Alda M**, Manchia M, Grof P, Ritter P, Hajek T, Lewitzka U, Bergink V, Bauer M, Nielsen RE: Lithium induced hypercalcemia: An expert opinion and management algorithm. *International Journal of Bipolar Disorders* 10: 34, 2022.
 373. Mishra HK, Mandyam AD, Trenet W, Wei H, Nievergelt CM, Naihofer AX, Shilling PD, **Alda M**, Gershon E, McInnis MG; Pharmacogenomics of Bipolar Disorder Study; Kelsoe JR, McCarthy MJ: Neural progenitor cells derived from lithium responsive and non-responsive bipolar disorder patients exhibit distinct sensitivity to cell death following methamphetamine. *Neuropharmacology* 226: 109410, 2023.
 374. Tripathi U, Mizrahi L, **Alda M**, Falkovich G, Stern S: Information theory characteristics improve the prediction of lithium response in bipolar disorder patients using a Support Vector Machine classifier. *Bipolar Disorders* 25: 110 - 127, 2023.
 375. Ahmed I, Khan MS, Ma V, Magsi H, Gunawan R, Olabisi Ilyas AM, Lashari NUR, Wassan N, Paidi S, Ali Z, Law AWL, Zhang Y, Cho WC, **Alda M**, Bergink V, Barman I, Lau C: Lithium in breast milk transiently affects the renal electrolytic balance of infants. *Bipolar Disorders* 25: 56 - 65, 2023.
 376. Zwicker A, Fullerton JM, Mullins N, Rice F, Hafeman DM, van Haren NEM, Setiaman N, Merranko JA, Goldstein BI, Ferrera AG, Stapp EK, de la Serna E, Moreno D, Sugranyes G, Herrero SM, Roberts G, Toma C, Schofield PR, Edenberg HJ, Wilcox HC, McInnis MG, Powell V, Propper L, Denovan-Wright E, Rouleau G, Castro-Fornieles J, Hillegers MHJ, Birmaher B, Thapar A, Mitchell PB, Lewis CM, **Alda M**, Nurnberger JI, Uher R: Polygenic scores and onset of major mood and psychotic disorders among offspring of affected parents. *American Journal of Psychiatry* 180: 285 - 293, 2023.
 377. Propper L, Sandstrom A, Rempel S, Howes Vallis E, Abidi S, Bagnell A, Lovas D, **Alda M**, Pavlova B, Uher R: Attention-deficit/hyperactivity disorder and other neurodevelopmental disorders in offspring of parents with depression and bipolar disorder. *Psychological Medicine* 53: 559 - 566, 2023.

378. Ortiz A, Park Y, Gonzalez-Torres C, **Alda M**, Blumberger DM, Burnett R, Husain MI, Sanches M, Mulsant BH: Predictors of adherence to electronic self-monitoring in patients with bipolar disorder: A contactless study using Growth Mixture Models. *International Journal of Bipolar Disorders* 11: 18, 2023.
379. Bauer M, Glenn T, Achtyes ED, **Alda M**, Agaoglu E, Altinbas K, Andreassen OA, Angelopoulos E, Arda R, Aydin M, Ayhan Y, Baethge C, Bauer R, Baune BT, Balaban C, Becerra-Palars C, Behere AP, Behere PB, Belete H, Belete T, Belizario GO, Bellivier F, Belmaker RH, Benedetti F, Berk M, Bersudsky Y, Bicakci S, Birabwa-Oketcho H, Bjella TD, Brady C, Cabrera J, Cappucciati M, Paredes Castro AM, Chen W-L, Cheung EYW, Chiesa S, Crowe M, Cuomo A, Dallaspeszia S, Del Zompo M, Desai P, Dodd S, Etain B, Fagiolini A, Fellendorf FT, Ferensztajn-Rochowiak E, Fiedorowicz JG, Fountoulakis KN, Frye MA, Geoffroy PA, Gitlin MJ, Gonzalez-Pinto A, Gottlieb JF, Grof P, Haarman BCM, Harima H, Hasse-Sousa M, Henry C, Hoffding L, Houenou J, Imbesi M, Isometsä ET, Ivkovic M, Janno S, Johnsen S, Kapczinski F, Karakatsoulis GN, Kardell M, Kessing LV, Kim SJ, König B, Kot TL, Koval M, Kunz M, Lafer B, Landén M, Larsen ER, Lenger M, Licht RW, Lopez-Jaramillo C, MacKenzie A, Østergaard Madsen H, Madsen SAKA, Mahadevan J, Mahardika A, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Martini J, Martiny K, Mashima Y, McLoughlin DM, Meesters Y, Melle I, Meza-Urzuá F, Mikolas P, Mok YM, Monteith S, Moorthy M, Morken G, Mosca E, Mozzhegorov AA, Munoz R, Mythri SV, Nacef F, Nadella RK, Nakanotani T, Ernst Nielsen R, O'Donovan C, Omrani A, Osher Y, Ouali U, Pantovic-Stefanovic M, Pariwatcharakul P, Petite J, Petzold J, Pfennig A, Pica Ruiz Y, Pinna M, Pompili M, Porter RJ, Quiroz D, Diego Rabelo-da-Ponte F, Ramesar R, Rasgon N, Ratta-Apha W, Ratzenhofer M, Redahan M, Reddy MS, Reif A, Reininghaus EZ, Gringer Richards J, Ritter P, Rybakowski JK, Sathyaputri L, Scippa AM, Simhandl C, Smith D, Smith J, Stackhouse Jr. PW, Stein DJ, Stilwell K, Strejilevich S, Su K-P, Subramaniam M, Sulaiman AH, Suominen K, Tanra AJ, Tatebayashi Y, Teh WL, Tondo L, Torrent C, Tuinstra D, Uchida T, Vaaler AE, Vieta E, Viswanath B, Yoldi-Negrete M, Yalcinkaya OK, Young AH, Zgheb Y, Whybrow PC: Exploratory study of ultraviolet B (UVB) radiation and age of onset of bipolar disorder. *International Journal of Bipolar Disorders* 11: 22, 2023.
380. Scott K, Nunes A, Pavlova B, Meier S, **Alda M***: Familial traits of bipolar disorder: A systematic review and meta-analysis. *Acta Psychiatrica Scandinavica* 148: 133 - 141, 2023.
381. Brancati GE, Nunes A, Scott K, O'Donovan C, Cervantes P, Grof P, **Alda M***: Differential characteristics of bipolar I and II disorders: A retrospective, cross-sectional evaluation of clinical features, illness course, and response to treatment. *International Journal of Bipolar Disorders* 11: 25, 2023.
382. Mishra HK, Wei H, Rohr KE, Ko I, Nievergelt CM, Maihofer AX, Shilling PD, **Alda M**, Berrettini WH, Brennand KJ, Calabrese JR, Coryell WH, Frye M, Gage F, Gershon E, McInnis MG, Nurnberger J, Oedegaard KJ, Zandi PP, Kelsoe JR, McCarthy MJ: Contributions of circadian clock genes to cell survival in fibroblast models of lithium-responsive bipolar disorder. *European Neuropsychopharmacology* 74: 1 - 14, 2023.
383. Marin-Dragu S, Forbes A, Sheikh S, Iyer RS, Pereira Dos Santos D, **Alda M**, Hajek T, Uher R, Wozney L, Paulovich FV, Campbell LA, Yakovenko I, Stewart SH, Corkum P, Bagnell A, Orji R, Meier S: Associations of active and passive smartphone use with measures of youth mental health during the COVID-19 pandemic. *Psychiatry Research* 326: 115298, 2023.
384. Bauer M, Glenn T, **Alda M**, Grof P, Bauer R, Ebner-Priemer UW, Ehrlich S, Pfennig A, Pilhatsch M, Rasgon N, Whybrow PC: Longitudinal digital mood charting in bipolar disorder: Experiences with ChronoRecord over 20 years. *Pharmacopsychiatry* 56: 182 - 187, 2023.
385. Adepalli N, Cumby J, Campbell N, Pavlova B, **Alda M**, Cahill LE, Uher R: Developmental trajectory of body weight in youths at risk for major mood disorders. *JAMA Network Open* 6: e2338540, 2023.
386. Docherty AR, Mullins N, Ashley-Koch AE, Qin X, Coleman JRI, Shabalin A, Kang J, Murnyak B, Wendt F, Adams M, Campos AI, DiBlasi E, Fullerton JM, Kranzler HR, Bakian AV, Monson ET, Rentería ME, Walss-Bass C, Andreassen OA, Behera C, Bulik CM, Edenberg HJ, Kessler RC, Mann

JJ, Nurnberger JI Jr, Pistis G, Streit F, Ursano RJ, Polimanti R, Dennis M, Garrett M, Hair L, Harvey P, Hauser ER, Hauser MA, Huffman J, Jacobson D, Madduri R, McMahon B, Oslin DW, Trafton J, Awasthi S, Berrettini WH, Bohus M, Chang X, Chen HC, Chen WJ, Christensen ED, Crow S, Duriez P, Edwards AC, Fernández-Aranda F, Galfalvy H, Gandal M, Gorwood P, Guo Y, Hafferty JD, Hakonarson H, Halmi KA, Hishimoto A, Jain S, Jamain S, Jiménez-Murcia S, Johnson C, Kaplan AS, Kaye WH, Keel PK, Kennedy JL, Kim M, Klump KL, Levey DF, Li D, Liao SC, Lieb K, Lilenfeld L, Marshall CR, Mitchell JE, Okazaki S, Otsuka I, Pinto D, Powers A, Ramoz N, Ripke S, Roepke S, Rozanov V, Scherer SW, Schmahl C, Sokolowski M, Starnawska A, Strober M, Su MH, Thornton LM, Treasure J, Ware EB, Watson HJ, Witt SH, Woodside DB, Yilmaz Z, Zillich L, Adolfsson R, Agartz I, **Alda M**, Alfredsson L, Appadurai V, Artigas MS, Van der Auwera S, Azevedo MH, Bass N, Bau CHD, Baune BT, Bellivier F, Berger K, Biernacka JM, Bigdeli TB, Binder EB, Boehnke M, Boks MP, Braff DL, Bryant R, Budde M, Byrne EM, Cahn W, Castela E, Cervilla JA, Chaumette B, Corvin A, Craddock N, Djurovic S, Foo JC, Forstner AJ, Frye M, Gatt JM, Giegling I, Grabe HJ, Green MJ, Grevet EH, Grigoriu-Serbanescu M, Gutierrez B, Guzman-Parra J, Hamshire ML, Hartmann AM, Hauser J, Heilmann-Heimbach S, Hoffmann P, Ising M, Jones I, Jones LA, Jonsson L, Kahn RS, Kelsoe JR, Kendler KS, Kloiber S, Koenen KC, Kogevinas M, Krebs MO, Landén M, Leboyer M, Lee PH, Levinson DF, Liao C, Lissowska J, Mayoral F, McElroy SL, McGrath P, McGuffin P, McQuillin A, Mehta D, Melle I, Mitchell PB, Molina E, Morken G, Nievergelt C, Nöthen MM, O'Donovan MC, Ophoff RA, Owen MJ, Pato C, Pato MT, Penninx BWJH, Potash JB, Power RA, Preisig M, Quested D, Ramos-Quiroga JA, Reif A, Ribasés M, Richarte V, Rietschel M, Rivera M, Roberts A, Roberts G, Rouleau GA, Rovaris DL, Sanders AR, Schofield PR, Schulze TG, Scott LJ, Serretti A, Shi J, Sirignano L, Sklar P, Smeland OB, Smoller JW, Sonuga-Barke EJS, Trzaskowski M, Tsuang MT, Turecki G, Vilar-Ribó L, Vincent JB, Völzke H, Walters JTR, Weickert CS, Weickert TW, Weissman MM, Williams LM, Wray NR, Zai CC, Agerbo E, Børglum AD, Breen G, Demontis D, Erlangsen A, Gelernter J, Glatt SJ, Hougaard DM, Hwu H-G, Kuo P-H, Lewis CM, Li QS, Liu C-M, Martin NG, McIntosh AM, Medland SE, Mors O, Nordentoft M, Olsen CM, Porteous D, Smith DJ, Stahl EA, Stein MB, Wasserman D, Werge T, Whiteman DC, Willour V; VA Million Veteran Program (MVP); MVP Suicide Exemplar Workgroup; Suicide Working Group of the Psychiatric Genomics Consortium; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium; Schizophrenia Working Group of the Psychiatric Genomics Consortium; Eating Disorder Working Group of the Psychiatric Genomics Consortium; German Borderline Genomics Consortium; Coon H, Beckham JC, Kimbrel NA, Ruderfer DM: GWAS meta-analysis of suicide attempt: Identification of 12 genome-wide significant loci and implication of genetic risks for specific health factors. *American Journal of Psychiatry* 180: 723 - 738, 2023.

387. Lavin P, Rej S, Olagunju AT, Teixeira AL, Dols A, **Alda M**, Almeida OP, Altinbas K, Balanzá-Martínez V, Barbosa IG, Blumberg HP, Briggs F, Calkin C, Cassidy K, Forester BP, Forlenza OV, Hajek T, Haarman BCM, Jimenez E, Lafer B, Mulsant B, Oluwaniyi SO, Patrick R, Radua J, Schouws S, Sekhon H, Simhandl C, Soares JC, Tsai SY, Vieta E, Villa LM, Sajatovic M, Eyler LT: Essential data dimensions for prospective international data collection in older age bipolar disorder (OABD): Recommendations from the GAGE-BD group. *Bipolar Disorders* 25: 554 - 563, 2023.
388. McWhinney SR, Abé C, **Alda M**, Benedetti F, Bøen E, Del Mar Bonnin C, Borgers T, Brosch K, Canales-Rodríguez EJ, Cannon DM, Dannlowski U, Diaz-Zuluaga AM, Dietze LMF, Elvsåshagen T, Eyler LT, Fullerton JM, Goikolea JM, Goltermann J, Grotegerd D, Haarman BCM, Hahn T, Howells FM, Ingvar M, Jahanshad N, Kircher TTJ, Krug A, Kuplicki RT, Landén M, Lemke H, Liberg B, Lopez-Jaramillo C, Malt UF, Martyn FM, Mazza E, McDonald C, McPhilemy G, Meier S, Meinert S, Meller T, Melloni EMT, Mitchell PB, Nabulsi L, Nenadic I, Opel N, Ophoff RA, Overs BJ, Pfarr JK, Pineda-Zapata JA, Pomarol-Clotet E, Raduà J, Repple J, Richter M, Ringwald KG, Roberts G, Ross A, Salvador R, Savitz J, Schmitt S, Schofield PR, Sim K, Stein DJ, Stein F, Temmingh HS, Thiel K, Thomopoulos SI, van Haren NEM, Vargas C, Vieta E, Vreeker A, Waltemate L, Yatham LN,

- Ching CRK, Andreassen OA, Thompson PM, Hajek T; ENIGMA Bipolar Disorder Working Group: Mega-analysis of association between obesity and cortical morphology in bipolar disorders: ENIGMA study in 2832 participants. *Psychological Medicine* 53: 6743 - 6753, 2023.
389. Mizrahi L, Choudhary A, Ofer P, Goldberg G, Milanese E, Kelsoe J, Gurwitz D, **Alda M**, Gage F, Stern S: Immunoglobulin genes expressed in lymphoblastoid cell lines discern and predict lithium response in bipolar disorder patients. *Molecular Psychiatry* 28: 4280 - 4293, 2023.
 390. Amare A, Thalamuthu A, Schubert KO, Fullerton J, Ahmed M, Hartmann S, Papiol S, Heilbronner U, Degenhardt F, Tekola-Ayele F, Hou L, Hsu YH, Shekhtman T, Adli M, Akula N, Akiyama K, Ardaur R, Arias B, Aubry JM, Backlund L, Bhattacharjee AK, Bellivier F, Benabarre A, Bengesser S, Biernacka J, Birner A, Marie-Claire C, Cervantes P, Chen HC, Chillotti C, Cichon S, Cruceanu C, Czerski P, Dalkner N, Zompo MD, DePaulo JR, Etain B, Jamain S, Falkai P, Forstner AJ, Frisé L, Frye M, Gard S, Garnham J, Goes F, Grigoriu-Serbanescu M, Fallgatter A, Stegmaier S, Ethofer T, Biere S, Petrova K, Schuster C, Adorjan K, Budde M, Heilbronner M, Kalman J, Kohshour MO, Reich-Erkelenz D, Schaupp S, Schulte E, Senner F, Vogl T, Anghelescu IG, Arolt V, Dannlowski U, Dietrich DE, Figge C, Jäger M, Lang F, Juckel G, Spitzer C, Reimer J, Schmauß M, Schmitt A, Konrad C, von Hagen M, Wiltfang J, Zimmermann J, Andlauer T, Fischer A, Birmahler B, Kraft V, Matura S, Gryaznova A, Falkenberg I, Yildiz C, Kircher T, Schmidt J, Koch M, Gade K, Trost S, Haußleiter I, Lambert M, Rohenkohl AC, Kraft V, Grof P, Hashimoto R, Hauser J, Herms S, Hoffmann P, Jiménez E, Kahn JP, Kassem L, Kuo PH, Kato T, Kelsoe J, Kittel-Schneider S, Ferensztajn-Rochowiak E, König B, Kusumi I, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, Tortorella A, Manchia M, Martinsson L, McCarthy M, McElroy SL, Colom F, Mitjans M, Mondimore F, Monteleone P, Nievergelt C, Nöthen M, Novak T, O'Donovan C, Ozaki N, Pfennig A, Pisanu C, Potash J, Reif A, Reininghaus E, Rouleau G, Rybakowski JK, Schalling M, Schofield P, Schweizer BW, Severino G, Shilling PD, Shimoda K, Simhandl C, Slaney C, Squassina A, Stamm T, Stopkova P, Maj M, Turecki G, Vieta E, Veeh J, Witt S, Wright A, Zandi P, Mitchell P, Bauer M, **Alda M**, Rietschel M, McMahon F, Schulze TG, Millischer V, Clark S, Baune B: Association of polygenic score and the involvement of cholinergic and glutamatergic pathways with lithium treatment response in patients with bipolar disorder. *Molecular Psychiatry* 28: 5251 - 5261, 2023.
 391. Pavlova B, Warnock-Parkes E, **Alda M**, Uher R, Clark DM: Cognitive behavioural therapy for social anxiety disorder in people with bipolar disorder: A case series. *International Journal of Bipolar Disorders* 12: 1, 2024.
 392. Gonzalez-Torres C, Mulsant BH, Husain MI, **Alda M**, Young RC, Ortiz A: Challenges in defining treatment-resistant mania in adults: A systematic review. *Bipolar Disorders* 26: 7 - 21, 2024.
 393. Ou AH, Rosenthal SB, Adli M, Akiyama K, Akula N, **Alda M**, Amare AT, Ardaur R, Arias B, Aubry J-M, Backlund L, Bauer M, Baune BT, Bellivier F, Benabarre A, Bengesser S, Bhattacharjee AK, Biernacka JM, Cervantes P, Chen, G-B, Chen H-C, Chillotti C, Cichon S, Clark SR, Colom F, Cousins DA, Cruceanu C, Czerski PM, Dantas CR, Dayer A, Del Zompo M, Degenhardt F, DePaulo JR, Étain B, Falkai P, Fellendorf FT, Ferensztajn-Rochowiak E, Forstner AJ, Frisé L, Frye MA, Fullerton JM, Gard S, Garnham JS, Goes FS, Grigoriu-Serbanescu M, Grof P, Gruber O, Hashimoto R, Hauser J, Heilbronner U, Herms S, Hoffmann P, Hofmann A, Hou L, Jamain S, Jiménez E, Kahn J-P, Kassem L, Kato T, Kittel-Schneider S, König B, Kuo P-H, Kusumi I, Lackner N, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, López Jaramillo CA, MacQueen G, Maj M, Manchia M, Marie-Claire C, Martinsson L, Mattheisen M, McCarthy MJ, McElroy SL, McMahon FJ, Mitchell PB, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Nöthen MM, Novák T, Ösby U, Ozaki N, Papiol S, Perlis RH, Pisanu C, Potash JB, Pfennig A, Reich-Erkelenz D, Reif A, Reininghaus EZ, Rietschel M, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schubert KO, Schulze TG, Schweizer BW, Seemüller F, Severino G, Shekhtman T, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Squassina A, Stamm T, Stopkova P, Tighe SK, Tortorella A, Turecki G, Vieta E, Volkert J, Witt S, Wray NR, Wright A, Young LT, Zandi PP, Kelsoe JR: Lithium response in bipolar disorder is associated with focal adhesion and PI3K-Akt networks: A multi-omics replication study. *Translational Psychiatry* 14:

109, 2024.

394. Madanlal D, Guinard C, Nuñez VP, Becker S, Garnham J, Khayachi A, Léger S, O'Donovan C, Singh S, Stern S, Slaney C, Trappenberg T, **Alda M**, Nunes A: A pilot study examining the impact of lithium treatment and responsiveness on mnemonic discrimination in bipolar disorder. *Journal of Affective Disorders* 351: 49 - 57, 2024.
395. Howes Vallis E, Stephens M, Ross B, Rempel S, Howard C, Liu D, Villars K, Mazurka R, Cumby J, **Alda M**, Pavlova B, Uher R: Depressive symptoms in youth before and during the COVID-19 pandemic: Longitudinal investigation of patterns dependent on age, sex, and family history of mental illness. *Psychological Medicine* 54: 895 - 901, 2024.
396. Herrera-Rivero M, Gutiérrez-Fragoso K, International Consortium on Lithium Genetics (ConLi+Gen) [incl. **Alda, M**], Kurtz J, Baune BT: Immunogenetics of lithium response and psychiatric phenotypes in patients with bipolar disorder. *Translational Psychiatry* 14: 174, 2024.
397. Halabi R, Mulsant BH, **Alda M**, DeShaw A, Hintze A, Husain MI, O'Donovan C, Patterson R, Ortiz A: Not missing at random: Missing data are associated with clinical status and trajectories in an electronic monitoring longitudinal study of bipolar disorder. *Journal of Psychiatric Research* 174: 326 - 331, 2024.
398. Niemsiri V, Rosenthal S, Nievergelt C, Maihofer A, Marchetto C, Santos R, Shekhtman T, Alliey-Rodriguez N, Anand A, Balaraman Y, Berrettini W, Bertram H, Burdick K, Calabrese J, Calkin C, Conroy C, Coryell W, DeModena A, Eyler L, Feeder S, Fisher C, Frazier N, Frye M, Gao K, Garnham J, Gershon E, Goes F, Goto T, Harrington G, Jakobsen P, Kamali M, Tobes M, Leckband SG, Lohoff F, McCarthy M, McInnis M, Craig D, Millett C, Mondimore F, Morken G, Nurnberger J, O'Donovan C, Odegard K, Ryan K, Schinagle M, Shilling P, Slaney C, Stapp E, Stautland A, Tarwater B, Zandi P, **Alda M**, Fisch K, Gage F, Kelsoe J: Focal adhesion is associated with lithium response in bipolar disorder: Evidence from a network-based multi-omics analysis. *Molecular Psychiatry* 29: 6 - 19, 2024.
399. Scott K, O'Donovan C, Brancati GE, Cervantes P, Arda R, Manchia M, Severino G, Rybakowski J, Tondo L, Grof P, **Alda M***, Nunes A: Phenotypic clustering of bipolar disorder supports stratification by lithium responsiveness over diagnostic subtypes. *Acta Psychiatrica Scandinavica* 150: 91 - 104, 2024.
400. Khayachi A, Abuzgaya M, Liu Y, Jiao C, Dejgaard K, Schorova L, Kamesh A, He Q, Cousineau Y, Pietrantonio A, Farhangdoost N, Castonguay CE, Chaumette B, **Alda M**, Rouleau GA, Milnerwood AJ: Akt and AMPK activators rescue hyperexcitability in neurons from patients with bipolar disorder. *eBioMedicine* 104: 105161, 2024.
401. McWhinney SR, Hlinka J, Bakstein E, Dietze LMF, Corkum ELV, Abé C, **Alda M**, Alexander N, Benedetti F, Berk M, Bøen E, Bonnekoh LM, Boye B, Brosch K, Canales-Rodríguez EJ, Cannon DM, Dannlowski U, Demro C, Diaz-Zuluaga A, Elvsåshagen T, Eyler LT, Fortea L, Fullerton JM, Goltermann J, Gotlib IH, Grotegerd D, Haarman B, Hahn T, Howells FM, Jamalabadi H, Jansen A, Kircher T, Klahn AL, Kuplicki R, Lahud E, Landén M, Leehr EJ, Lopez-Jaramillo C, Mackey S, Malt U, Martyn F, Mazza E, McDonald C, McPhilemy G, Meier S, Meinert S, Melloni E, Mitchell PB, Nabulsi L, Nenadić I, Nitsch R, Opel N, Ophoff RA, Ortuño M, Overs BJ, Pineda-Zapata J, Pomarol-Clotet E, Radua J, Reppe J, Roberts G, Rodriguez-Cano E, Sacchet MD, Salvador R, Savitz J, Scheffler F, Schofield PR, Schürmeyer N, Shen C, Sim K, Sponheim SR, Stein DJ, Stein F, Straube B, Suo C, Temmingh H, Teutenberg L, Thomas-Odenthal F, Thomopoulos SI, Urosevic S, Usemann P, van Haren NEM, Vargas C, Vieta E, Vilajosana E, Vreeker A, Winter NR, Yatham LN, Thompson PM, Andreassen OA, Ching CRK, Hajek T: Principal component analysis as an efficient method for capturing multivariate brain signatures of complex disorders - ENIGMA study in people with bipolar disorders and obesity. *Human Brain Mapping* 45: e26682, 2024.
402. Herrera-Rivero M, Adli M, Akiyama K, Akula N, Amare AT, Arda R, Arias B, Aubry JM, Backlund L, Bellivier F, Benabarre A, Bengesser S, Bhattacharjee AK, Biernacka JM, Birner A, Cearn M, Cervantes P, Chen HC, Chillotti C, Cichon S, Clark SR, Colom F, Cruceanu C, Czerski PM, Dalkner N, Degenhardt F, Del Zompo M, DePaulo JR, Etain B, Falkai P, Ferensztajn-Rochowiak E, Forstner

- AJ, Frank J, Frisé L, Frye MA, Fullerton JM, Gallo C, Gard S, Garnham JS, Goes FS, Grigoriu-Serbanescu M, Grof P, Hashimoto R, Hasler R, Hauser J, Heilbronner U, Herms S, Hoffmann P, Hou L, Hsu YH, Jamain S, Jiménez E, Kahn JP, Kassem L, Kato T, Kelsoe J, Kittel-Schneider S, Kuo PH, Kusumi I, König B, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, Maj M, Manchia M, Marie-Claire C, Martinsson L, McCarthy MJ, McElroy SL, Millischer V, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Novák T, Nöthen MM, O'Donovan C, Ozaki N, Papiol S, Pfennig A, Pisanu C, Potash JB, Reif A, Reininghaus E, Richard-Lepouriel H, Roberts G, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schubert KO, Schulte EC, Schweizer BW, Severino G, Shekhtman T, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Squassina A, Stamm T, Stopkova P, Streit F, Tekola-Ayele F, Thalamuthu A, Tortorella A, Turecki G, Veeh J, Vieta E, Viswanath B, Witt SH, Zandi PP, **Alda M**, Bauer M, McMahon FJ, Mitchell PB, Rietschel M, Schulze TG, Baune BT: Exploring the genetics of lithium response in bipolar disorders. *International Journal of Bipolar Disorders* 12: 20, 2024.
403. Scott K, **Alda M***: Integrating polygenic scores and phenotypic data to understand psychiatric outcomes. *American Journal of Psychiatry* 181: 572 - 574, 2024.
 404. Halabi R, Gonzalez-Torres C, MacLean S, Husain MI, Pratap A, **Alda M**, Mulsant BH, Ortiz A: A novel unsupervised machine learning approach to assess postural dynamics in euthymic bipolar disorder. *IEEE Journal of Biomedical and Health Informatics* 28: 4903 - 4911, 2024.
 405. Teixeira AL, Almeida OP, Lavin P, Barbosa IG, **Alda M**, Altinbas K, Balanzá-Martínez V, Briggs FBS, Calkin C, Chen P, Dols A, Eyler LT, Forester BP, Forlenza OV, Gildengers AG, Hajek T, Haarman B, Korten N, Jimenez E, Lafer B, Levin JB, Motejo L, Nunes PV, Olagunju AT, Oluwaniyi S, Oudega ML, Patrick RE, Radua J, Rej S, Schouws S, Soares JC, Sutherland AN, Vieta E, Yala J, Sajatovic M: Physical comorbidities of older age bipolar disorder (OABD) patients: A global replication analysis of prevalence and sex differences. *General Hospital Psychiatry* 90: 6 - 11, 2024.
 406. Kennedy E, Liebel SW, Lindsey HM, Vadlamani S, Lei P-W, Adamson MM, Alda M, Alonso-Lana S, Anderson TJ, Arango C, Asarnow RF, Avram M, Ayesa-Arriola R, Babikian T, Banaj N, Bird LJ, Borgwardt S, Brodtmann A, Brosch K, Caeyenberghs K, Calhoun VD, Chiaravalloti ND, Cifu DX, Crespo-Facorro B, Dalrymple-Alford JC, Dams-O'Connor K, Dannlowski U, Darby D, Davenport N, DeLuca J, Diaz-Caneja CM, Disner SG, Dobryakova E, Ehrlich S, Esopenko C, Ferrarelli F, Frank LE, Franz CE, Fuentes-Claramonte P, Genova H, Giz CC, Goltermann J, Grotegerd D, Gruber M, Gutierrez-Zotes A, Ha M, Haavik J, Hinkin C, Hoskinson KR, Hubl D, Irimia A, Jansen A, Kaess M, Kang X, Kenney K, Keřková B, Khlif MS, Kim M, Kindler J, Kircher T, Knížková K, Kolsår KK, Krch D, Krmen WS, Kuhn T, Kumari V, Kwon J, Langella R, Laskowitz S, Lee J, Lengenfelder J, Liou-Johnson V, Lippa SM, Løvstad M, Lundervold AJ, Marotta C, Marquardt CA, Mattos P, Mayeli A, McDonald CR, Meinert S, Melzer TR, Merchán-Naranjo J, Michel C, Morey RA, Mwangi B, Myall DJ, Nenadić I, Newsome MR, Nunes A, O'Brien T, Oertel V, Ollinger J, Olsen A, Ortiz García de la Foz V, Ozmen M, Pardoe H, Parent M, Piras F, Piras F, Pomarol-Clotet E, Repple J, Richard G, Rodriguez J, Rodriguez M, Rootes-Murdy, Rowland J, Ryan NP, Salvador R, Sanders A-M, Schmidt A, Soares JC, Spalleta G, Spaniel F, Sponheim SR, Stasenka A, Stein F, Straube B, Thames A, Thomas-Odenthal F, Thomopoulos SI, Tone EB, Torres I, Troyanskaya M, Turner JA, Ulrichsen KM, Umpierrez G, Vecchio D, Vilella E, Vivash L, Walker WC, Werden E, Westlye LT, Wild K, Wroblewski A, Wu M-J, Wylie GR, Yatham LN, Zunta-Soares GB, Thompson PM, Pugh MJ, Tate DF, Hillary FG, Wilde EA, Dennis EL: Verbal learning and memory deficits across neurological and neuropsychiatric disorders: Insights from an ENIGMA mega analysis. *Brain Sciences* 14: 669, 2024.
 407. Halabi R, Yusuff K, Park C, DeShaw A, Gonzalez-Torres C, Husain MI, O'Donovan C, **Alda M**, Mulsant BH, Ortiz A: Mood regulation in euthymic patients with a history of antidepressant-induced mania. *Bipolar Disorders* 26: 810 - 819, 2024.
 408. Kennedy E, Vadlamani S, Lindsey HM, Lei PW, Jo-Pugh M, Thompson PM, Tate DF, Hillary FG, Dennis EL, Wilde EA; ENIGMA Clinical Endpoints Working Group: Bridging big data in the ENIGMA consortium to combine non-equivalent cognitive measures. *Scientific Reports* 14: 24289,

2024.

409. Ritter P, Glenn T, Achtyes ED, **Alda M**, Agaoglu E, Altinbas K, Andreassen OA, Angelopoulos E, Arda R, Aydin M, Ayhan Y, Baethge C, Bauer R, Baune BT, Balaban C, Becerra-Palars C, Behere AP, Behere PB, Belete H, Belete T, Belizario GO, Bellivier F, Belmaker RH, Benedetti F, Berk M, Bersudsky Y, Bickel S, Birabwa-Oketcho H, Bjella TD, Brady C, Cabrera J, Cappucciati M, Castro AMP, Chen W-L, Cheung EYW, Chiesa S, Chanopoulou M, Crowe M, Cuomo A, Dallaspezia S, Desai P, Dodd S, Etain B, Fagiolini A, Fellendorf FT, Ferensztajn-Rochowiak E, Fiedorowicz JG, Fountoulakis KN, Frye MA, Geoffroy PA, Gitlin MJ, Gonzalez-Pinto A, Gottlieb JF, Grof P, Haarman BCM, Harima H, Hasse-Soussa M, Henry C, Hoffding L, Houenou J, Imbesi M, Isometsä ET, Ivkovic M, Janno S, Johnsen S, Kapczinski F, Karakatsoulis GN, Kardell M, Kessing LV, Kim SJ, König B, Kot TL, Koval M, Kunz M, Lafer B, Landén M, Larsen ER, Licht RW, Ludwig VM, Lopez-Jaramillo C, MacKenzie A, Madsen HØ, Madsen SAKA, Mahadevan J, Mahardika A, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Martini J, Martiny K, Mashima Y, McLoughlin DM, Meesters ANR, Meesters Y, Melle I, Meza-Urzuá F, Michaelis E, Mikolas P, Mok YM, Monteith S, Moorthy M, Morken G, Mosca E, Mozzhegorov AA, Munoz R, Mythri SV, Nacef F, Nadella RK, Nakanotani T, Nielsen RE, O'Donovan C, Omrani A, Osher Y, Ouali U, Pantovic-Stefanovic M, Pariwatcharakul P, Petite J, Petzold J, Pfennig A, Pilhatsch M, Pica Ruiz Y, Pinna M, Pompili M, Porter R, Quiroz D, Rabelo-da-Ponte FD, Ramesar R, Rasgon N, Ratta-Apha W, Redahan M, Reddy MS, Reif A, Reininghaus EZ, Richards JG, Rybakowski JK, Sathyaputri L, Scippa AM, Simhandl C, Smith D, Smith J, Stackhouse Jr PW, Stein DJ, Stilwell K, Strejilevich S, Su K-P, Subramaniam M, Sulaiman AH, Suominen K, Tanra AJ, Tatebayashi Y, Teh WL, Tondo L, Torrent C, Tuinstra D, Uchida T, Vaaler AE, Vieta E, Viswanath B, Volf C, Yang K-J, Yoldi-Negrete M, Yalcinkaya OK, Young AH, Zgueb Y, Whybrow PC, Bauer M: Association between a large change between the minimum and maximum monthly values of solar insolation and a history of suicide attempts in bipolar I disorder. *International Journal of Bipolar Disorders* 12: 43, 2024.
410. Nunes A, Singh S, Khayachi A, Stern S, Trappenberg T, **Alda M***: The impact of electrophysiological diversity on pattern completion in lithium nonresponsive bipolar disorder: A computational modeling approach. *Brain and Behavior* 15: e70209, 2025.
411. O'Connell KS, Koromina M, van der Veen T, Boltz T, David FS, Yang JMK, Lin KH, Wang X, Coleman JRI, Mitchell BL, McGrouther CC, Rangan AV, Lind PA, Koch E, Harder A, Parker N, Bendl J, Adorjan K, Agerbo E, Albani D, Alemany S, Alliey-Rodriguez N, Als TD, Andlauer TFM, Antoniou A, Ask H, Bass N, Bauer M, Beins EC, Bigdeli TB, Pedersen CB, Boks MP, Børte S, Bosch R, Brum M, Brumpton BM, Brunkhorst-Kanaan N, Budde M, Bybjerg-Grauholm J, Byerley W, Cabana-Domínguez J, Cairns MJ, Carpiello B, Casas M, Cervantes P, Chatzinakos C, Chen HC, Clarence T, Clarke TK, Claus I, Coombes B, Corfield EC, Cruceanu C, Cuellar-Barboza A, Czerski PM, Dafnas K, Dale AM, Dalkner N, Degenhardt F, DePaulo JR, Djurovic S, Drange OK, Escott-Price V, Fanous AH, Fellendorf FT, Ferrier IN, Forty L, Frank J, Frei O, Freimer NB, Fullard JF, Garnham J, Gizer IR, Gordon SD, Gordon-Smith K, Greenwood TA, Grove J, Guzman-Parra J, Ha TH, Hahn T, Haraldsson M, Hautzinger M, Havdahl A, Heilbronner U, Hellgren D, Herms S, Hickie IB, Hoffmann P, Holmans PA, Huang MC, Ikeda M, Jamain S, Johnson JS, Jonsson L, Kalman JL, Kamatani Y, Kennedy JL, Kim E, Kim J, Kittel-Schneider S, Knowles JA, Kogevinas M, Kranz TM, Krebs K, Kushner SA, Lavebratt C, Lawrence J, Leber M, Lee H-J, Liao C, Lucae S, Lundberg M, MacIntyre DJ, Maier W, Maihofer AX, Malaspina D, Manchia M, Maratou E, Martinsson L, Mattheisen M, McGregor NW, McInnis MG, McKay JD, Medeiros H, Meyer-Lindenberg A, Millischer V, Morris DW, Moutsatsou P, Mühleisen TW, O'Donovan C, Olsen CM, Panagiotaropoulou G, Papiol S, Pardiñas AF, Park HY, Perry A, Pfennig A, Pisanu C, Potash JB, Quedstedt D, Rapaport MH, Regeer EJ, Rice JP, Rivera M, Schulte EC, Sennner F, Shadrin A, Shilling PD, Sigurdsson E, Sindermann L, Sirignano L, Siskind D, Slaney C, Sloofman LG, Smeland OB, Smith DJ, Sobell JL, Soler Artigas M, Stein DJ, Stein F, Su M-H, Sung H, Świątkowska B, Terao C, Tesfaye M, Tesli M, Thorgerirsson TE, Thorp JG, Toma C, Tondo L, Tooney PA, Tsai S-J, Tsermpini

- EE, Vawter MP, Vedder H, Vreeker A, Walters JRT, Winsvold BS, Witt SHJ, Won H-H, Ye R, Young AH, Zandi PP, Zillich L; 23andMe Research Team; Adolfsson R, **Alda M**, Alfredsson L, Backlund L, Baune BT, Bellivier F, Bengesser S, Berrettini WH, Biernacka JM, Boehnke M, Børghlum AD, Breen G, Carr VJ, Catts S, Cichon S, Corvin A, Craddock N, Dannlowski U, Dikeos D, Etain B, Ferentinos P, Frye M, Fullerton JM, Gawlik M, Gershon ES, Goes FS, Green MJ, Grigoriu-Serbanescu M, Hauser J, Henskens FA, Hjerling-Leffler J, Hougaard DM, Hveem K, Iwata N, Jones I, Jones LS, Kahn RS, Kelsoe JR, Kircher T, Kirov G, Kuo P-H, Landén M, Leboyer M, Li QS, Lissowska J, Lochner C, Loughland C, Luykx JJ, Martin NG, Mathews CA, Mayoral F, McElroy SL, McIntosh AM, McMahon FJ, Medland SE, Melle I, Milani L, Mitchell PB, Morken G, Mors O, Mortensen PB, Müller-Myhsok B, Myers RM, Myung W, Neale BM, Nievergelt CM, Nordentoft M, Nöthen MM, Nurnberger JI, O'Donovan MC, Oedegaard KJ, Olsson T, Owen MJ, Paciga SA, Pantelis C, Pato CN, Pato MT, Patrinos GP, Pawlak JM, Ramos-Quiroga JA, Reif A, Reininghaus EZ, Ribasés M, Rietschel M, Ripke S, Rouleau GA, Roussos P, Saito T, Schall U, Schalling M, Schofield PR, Schulze TG, Scott LJ, Scott RJ, Serretti A, Smoller JW, Squassina A, Stahl EA, Stefansson H, Stefansson K, Stordal E, Streit F, Sullivan PF, Turecki G, Vaaler AE, Vieta E, Vincent JB, Waldman ID, Weickert CS, Weickert TW, Werge T, Whiteman DC, Zwart J-A, Edenberg HJ, McQuillin A, Forstner AJ, Mullins N, Di Florio A, Ophoff RA, Andreassen OA; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium: Genomics yields biological and phenotypic insights into bipolar disorder. *Nature* 639: 968 - 975, 2025.
412. Ortiz A, Halabi R, **Alda M**, Burgos A, DeShaw A, Gonzalez-Torres C, Husain MI, O'Donovan C, Tolend M, Hintze A, Mulsant BH: Day-to-day variability in sleep and activity predict the onset of a hypomanic episode in patients with bipolar disorder. *Journal of Affective Disorders* 8: 75 - 83, 2025.
 413. Lefrere A, Godin O, Jamain S, Dansou Y, Samalin L, **Alda M**, Aouizerate B, Aubin V, Rey R, Contu M, Courtet P, Dubertret C, Haffen E, Januel D, Leboyer M, Llorca PM, Marlinge E, Manchia M, Neilson S, Olié E, Paribello P, Pinna M, Polosan M, Roux P, Schwan R, Tondo L, Walter M, Tzavara E, Auzias G, Deruelle C, Etain B, Belzeaux R: Refining criteria for a neurodevelopmental sub-phenotype of bipolar disorders: A FondaMental Advanced Centers of Expertise for Bipolar Disorders study. *Biological Psychiatry* 97: 806 - 815, 2025.
 414. Freeman K, Zwicker A, Fullerton JM, Hafeman DM, van Haren NEM, Merranko J, Goldstein BI, Stapp EK, de la Serna E, Moreno D, Sugranyes G, Mas S, Roberts G, Toma C, Schofield PR, Edenburg HJ, Wilcox HC, McInnis MG, Propper L, Pavlova B, Stewart SA, Denovan-Wright E, Rouleau GA, Castro-Fornieles J, Hillegers MHJ, Birmaher B, Mitchell PB, **Alda M**, Nurnberger JI, Uher R: Polygenic scores and mood disorder onsets in context of family history and early psychopathology. *JAMA Network Open* 8: e255331, 2025.
 415. Ortiz A, Halabi R, **Alda M**, DeShaw A, Husain MI, Nunes A, O'Donovan C, Patterson R, Mulsant BH, Hintze A: Day-to-day variability in activity levels detects transitions to depressive symptoms in bipolar disorder earlier than changes in sleep and mood. *International Journal of Bipolar Disorders* 13: 13, 2025.
 416. Mishra HK, Wei H, LeRoux M, Ko D, Rohr K, Nievergelt CM, Maihofer AX, Shilling PD, **Alda M**, Berrettini WH, Coryell WH, Frye M, Gershon E, McInnis MG, Nurnberger J, Oedegaard KJ, Zandi PP, Kelsoe JR, McCarthy MJ: Circadian clock genes and cell survival in bipolar disorder: Insights into lithium responsiveness and molecular mechanisms in patient-derived neural progenitor cells and mouse neurons. *FEBS Journal* 292, 2806 – 2822, 2025.
 417. Ahmed I, Khan MS, Cheung P, Magsi H, Ali Z, Zhang Y, **Alda M**, Bergink V, Lau C: Minimizing neonatal hypothyroidism induced by lithium exposure through breast milk. *Journal of Trace Elements in Medicine and Biology* 89: 127653, 2025.
 418. Léger S, Guinard C, Singh S, Becker S, Cunningham JEA, **Alda M**, Newman AJ, Trappenberg T, Nunes A: A new measure of mnemonic discrimination applicable to recognition memory tests with continuous variation in novel stimulus interference. *Brain and Behavior* 15: e70303, 2025.
 419. Sharew NT, Clark SR, Papiol S, Heilbronner U, Degenhardt F, Fullerton JM, Hou L, Shekhtman T,

- Adli M, Akula N, Akiyama K, Ardau R, Arias B, Hasler R, Richard-Lepouriel H, Perroud N, Backlund L, Bhattacharjee AK, Bellivier F, Benabarre A, Bengesser S, Biernacka JM, Birner A, Marie-Claire C, Cervantes P, Chen HC, Chillotti C, Cichon S, Cruceanu C, Czerski PM, Dalkner N, Del Zompo M, DePaulo JR, Étain B, Jamain S, Falkai P, Forstner AJ, Frisen L, Frye MA, Gard S, Garnham JS, Goes FS, Grigoriou-Serbanescu M, Fallgatter AJ, Stegmaier S, Ethofer T, Biere S, Petrova K, Schuster C, Adorjan K, Budde M, Heilbronner M, Kalman JL, Kohshour MO, Reich-Erkelenz D, Schaupp SK, Schulte EC, Senner F, Vogl T, Anghelescu IG, Arolt V, Dannlowski U, Dietrich DE, Figge C, Jäger M, Lang FU, Juckel G, Konrad C, Reimer J, Schmauß M, Schmitt A, Spitzer C, von Hagen M, Wiltfang J, Zimmermann J, Andlauer TFM, Fischer A, Birmaher B, Ritter P, Matura S, Gryaznova A, Falkenberg I, Yildiz C, Kircher T, Schmidt J, Koch M, Gade K, Trost S, Haussleiter IS, Lambert M, Rohenkohl AC, Kraft V, Grof P, Hashimoto R, Hauser J, Herms S, Hoffmann P, Jiménez E, Kahn JP, Kassem L, Kuo PH, Kato T, Kelsoe J, Kittel-Schneider S, Ferencsik-Rochowiak E, König B, Kusumi I, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, Tortorella A, Manchia M, Martinsson L, McCarthy MJ, McElroy S, Colom F, Millisher V, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Nöthen MM, Novák T, O'Donovan C, Ozaki N, Pfennig A, Pisanu C, Potash JB, Reif A, Reininghaus E, Rouleau GA, Rybakowski JK, Schalling M, Schofield PR, Schweizer BW, Severino G, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Squassina A, Stamm T, Stopkova P, Maj M, Turecki G, Vieta E, Veeh J, Viswanath B, Witt SH, Wright A, Zandi PP, Mitchell PB, Bauer M, **Alda M**, Rietschel M, McMahon FJ, Schulze TG, Baune BT, Schubert KO, Amare AT: Pathway-specific polygenic scores for predicting clinical lithium treatment response in patients with bipolar disorder. *Biological Psychiatry: Global Open Science* 5: 100558, 2025.
420. Khayachi A, Nunes A, Alda M, Rouleau GA: The overlooked role of metabolic disorders in bipolar disorder. *Neuroscience & Biobehavioral Reviews* 174: 106203, 2025.
421. Koromina M, Ravi A, Panagiotaropoulou G, Schilder BM, Humphrey J, Braun A, Bidgeli T, Chatzinakos C, Coombes BJ, Kim J, Liu X, Terao C, O'Connell KS, Adams MJ, Adolfsson R, **Alda M**, Alfredsson L, Andlauer TFM, Andreassen OA, Antoniou A, Baune BT, Bengesser S, Biernacka J, Boehnke M, Bosch R, Cairns MJ, Carr VJ, Casas M, Catts S, Cichon S, Corvin A, Craddock N, Dafnas K, Dalkner N, Dannlowski U, Degenhardt F, Di Florio A, Dikeos D, Fellendorf FT, Ferentinos P, Forstner AJ, Forty L, Frye M, Fullerton JM, Gawlik M, Gizer IR, Gordon-Smith K, Green MJ, Grigoriou-Serbanescu M, Guzman-Parra J, Hahn T, Henskens F, Hillert J, Jablensky AV, Jones L, Jones I, Jonsson L, Kelsoe JR, Kircher T, Kirov G, Kittel-Schneider S, Kogevinas M, Landén M, Leboyer M, Lenger M, Lissowska J, Lochner C, Loughland C, MacIntyre DJ, Martin NG, Maratou E, Mathews CA, Mayoral F, McElroy SL, McGregor NW, McIntosh A, McQuillin A, Michie P, Mitchell PB, Moutsatsou P, Mowry B, Müller-Myhsok B, Myers RM, Nenadić I, Nievergelt CM, Nöthen MM, Nurnberger J, O'Donovan M, O'Donovan C, Ophoff RA, Owen MJ, Pantelis C, Pato C, Pato MT, Patrinos GP, Pawlak JM, Perlis RH, Porichi E, Posthuma D, Ramos-Quiroga JA, Reif A, Reininghaus EZ, Ribasés M, Rietschel M, Schall U, Schofield PR, Schulze TG, Scott L, Scott, RJ, Serretti A, Smoller JW, Świątkowska B, Artigas MS, Stein DJ, Streit F, Toma C, Tooney P, Vawter MP, Vieta E, Vincent JB, Waldman ID, Weickert CS, Weickert T, Witt SH, Hong KS, Ikeda M, Iwata N, Won H-H, Edenberg HJ, Ripke S, Raj T, Coleman JRI, Mullins N: Fine-mapping genomic loci refines bipolar disorder risk genes. *Nature Neuroscience* 28: 1393 – 1403, 2025.
422. Scott K, Khayachi A, **Alda M***, Nunes A: Prediction of treatment outcome in bipolar disorder - when can we expect clinical relevance? *Biological Psychiatry* 98: 285 – 292, 2025.
423. Sharma O, Nayak R, Mizrahi L, Rike WA, Choudhary A, Sadis H, Hussein Y, Rosh I, Tripathi U, Shemen A, Stern Y, Squassina A, **Alda M**, Stern S: Detecting suicide risk in bipolar disorder patients from lymphoblastoid cell lines genetic signatures. *Translational Psychiatry* 15: 339, 2025.
424. Farhangdoost N, Liao C, Liu Y, Rochefort D, Aboasali F, Peitran Antonio A, **Alda M**, Dion P, Chaumette B, Khayachi A, Rouleau G: Transcriptomic and epigenomic consequences of heterozygous loss-of-function mutations in *AKAP11*, a shared risk gene for bipolar disorder and schizophrenia. *Molecular Psychiatry* 30: 4543 – 4557, 2025.

425. Singh S, Khayachi A, Stern S, Trappenberg T, **Alda M**, Nunes A: The effects of bipolar disorder granule cell hyperexcitability and lithium therapy on pattern separation in a computational model of the dentate gyrus. *Translational Psychiatry* 15: 385, 2025.
426. van Velzen LS, Colic L, Ceja Z, Dauvermann MR, Villa LM, Savage HS, Toenders YJ, Dehestani N, Zhu AH, Campos AI, Salminen LE, **Alda M**, Agartz I, Alexander N, Ayesa-Arriola R, Ballard ED, Banaj N, Barkhau C, Başgöze Z, Bauer J, Benedetti F, Berger K, Besteher B, Brosch K, Canal-Rivero M, Cervenka S, Colle R, Connolly CG, Corruble E, Courtet P, Couvy-Duchesne B, Crespo-Facorro B, Cullen KR, Dannlowski U, Deverdun J, Diaz-Zuluaga AM, Dietze LMF, Evans JW, Fani N, Flinkenflügel K, Friedman NP, Gotlib IH, Groenewold NA, Grotegerd D, Hajek T, Hatoum AS, Hermesdorf M, Hickie IB, Hirano Y, Ho TC, Ikemizu Y, Iorfino F, Ipser JC, Isobe Y, Jackowski AP, Jollant F, Kircher T, Klug M, Koopowitz SM, Kraus A, Krug A, Le Bars E, Leehr EJ, Li M, Lippard ETC, Lopez-Jaramillo C, Maximov II, McIntosh AM, McLaughlin KA, McWhinney SR, Meinert S, Melloni E, Mitchell PB, Mwangi B, Nenadić I, Nerland S, Olie E, Ortiz-García de la Foz V, Pan PM, Pereira F, Piras F, Piras F, Poletti S, Reineberg AE, Roberts G, Romero-García R, Sacchet MD, Salum GA, Sandu AL, Sellgren CM, Shimizu E, Smolker HR, Soares JC, Steele JD, Stein F, Stein DJ, Straube B, Teutenberg L, Thomas-Odenthal F, Usemann P, Valabregue R, Valencia-Echeverry J, Wagner G, Waiter G, Walter M, Whalley HC, Wu, M-J, Yang TT, Zarate CA, Zugman A, Zunta-Soares GB, van Heeringen K, van Rooij SJH, van der Wee N, van der Werff S, Thompson PM, Blumberg HP, van Harmelen A-L, Rentería ME, Jahanshad N, ENIGMA Suicidal Thoughts and Behaviours Consortium; Schmaal L: Transdiagnostic alterations in white matter microstructure associated with suicidal thoughts and behaviours in the ENIGMA Suicidal Thoughts and Behaviours consortium. *Translational Psychiatry* 15: 429, 2025.
427. Farhangdoost N, Pietrantonio A, Liu Y, Liao C, Rochefort D, Pacis A, **Alda M**, Dion PA, Chaumette B, Khayachi A, Rouleau GA: Lithium partially rescues gene expression and enhancer activity from heterozygous knockout of *AKAP11* while inducing novel differential changes. *Scientific Reports* 15: 37844, 2025.
428. Pfaffenseller B, Schneider J, de Azevedo Cardoso T, Simjanoski M, **Alda M**, Kapczinski F, Bakstein E: Self-assessment and rest-activity rhythm monitoring for effective bipolar disorder management: A longitudinal actigraphy study. *International Journal of Bipolar Disorders* 13: 34, 2025.
429. Colbert SMC, Monson ET, Andreassen OA, Ayinde OO, Barr PB, Bejan CA, Ceja Z, Coon H, DiBlasi E, Edenberg HJ, Gelernter J, Hatoum A, Izotova A, Johnson EC, Kaufman EA, Kranzler HR, Koromina M, Lehto K, Myung W, Nurnberger JI Jr, Serretti A, Smoller JW, Stein MB, Zai CC, Erlangsen A, Gaine M, Martorell L, Sud R, Toma C, Bigdeli TB, Kimbrel NA, Ruderfer D, Docherty AR, Mann JJ, Mullins N; Psychiatric Genomics Consortium Suicide Working Group [incl. **Alda M**]: Defining suicidality phenotypes for genetic studies: Perspectives of the Psychiatric Genomics Consortium Suicide Working Group. *Molecular Psychiatry* 30: 6144 – 6154, 2025.
430. Dikaos K, Rempel S, Dumpala SH, d'Eon J, **Alda M**, Kieft M, Matwin S, Oore S, Uher R: Sampling of natural speech for the assessment of psychopathology: Data collection procedure and inter-rater reliability. *Psychiatry Research* 356: 116895, 2026.
431. Rigas C, Lavin P, Chen PJ, Torres-Platas SG, Su CL, Eyler LT, Olagunju AT, Teixeira AL, Dols A, **Alda M**, Almeida OP, Altinbas K, Balanzá-Martínez V, Barbosa IG, Blumberg HP, Briggs FBS, Calkin CV, Forester BP, Forlenza OV, Hajek T, Haarman BCM, Jimenez E, Lafer B, Mulsant B, Oluwaniyi SO, Patrick R, Radua J, Sarna K, Schouws S, Simhandl C, Soares JC, Sutherland AN, Tsai SY, Vieta E, Villa LM, Fiorelli N, Nunes PV, Yala JM, Sajatovic M, Rej S; all GAGE-BD Investigators: Antidepressant use in older age bipolar disorder (OABD): Results from the GAGE-BD international consortium. *Journal of Affective Disorders* 395 (Pt B): 120704, 2026.
432. Grotzinger AD, Werme J, Peyrot WJ, Frei O, de Leeuw C, Bicks LK, Guo Q, Margolis MP, Coombes BJ, Batzler A, Pazdernik V, Biernacka JM, Andreassen OA, Anttila V, Børglum AD, Breen G, Cai N, Demontis D, Edenberg HJ, Faraone SV, Franke B, Gandal MJ, Gelernter J, Hatoum AS, Hettema JM, Johnson EC, Jonas KG, Knowles JA, Koenen KC, Maihofer AX, Mallard TT, Mattheisen M, Mitchell KS, Neale BM, Nievergelt CM, Nurnberger JI, O'Connell KS, Peterson RE, Robinson EB, Sanchez-Roige SS, Santangelo SL, Scharf JM, Stefansson H, Stefansson K, Stein MB, Strom NI, Thornton LM, Tucker-Drob

- EM, Verhulst B, Waldman ID, Walters GB, Wray NR, Yu D; Anxiety Disorders Working Group of the Psychiatric Genomics Consortium; Attention-Deficit/Hyperactivity Disorder (ADHD) Working Group of the Psychiatric Genomics Consortium; Autism Spectrum Disorders Working Group of the Psychiatric Genomics Consortium; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium [incl. **Alda M**]; Eating Disorders Working Group of the Psychiatric Genomics Consortium; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium; Nicotine Dependence GenOmics (iNDiGO) Consortium; Obsessive-Compulsive Disorder and Tourette Syndrome Working Group of the Psychiatric Genomics Consortium; Post-Traumatic Stress Disorder Working Group of the Psychiatric Genomics Consortium; Schizophrenia Working Group of the Psychiatric Genomics Consortium; Substance Use Disorders Working Group of the Psychiatric Genomics Consortium; Lee PH, Kendler KS, Smoller JW: Mapping the genetic landscape across 14 psychiatric disorders. *Nature*, in press.
433. Scott K, O'Donovan C, Meier S, Pavlova B, MacKinnon DF, Potash JB, Schulze TG, Judy J, Zandi PP; NIMH Genetics Initiative Bipolar Disorder Consortium; Grof P, McMahon FJ, Nunes A, **Alda M**: Data-driven symptom dimensions reveal familial patterns in bipolar disorder. *Journal of Affective Disorders*, in press.

** senior, joint-senior / corresponding author*

Books

1. Tsermpini EE, Alda M, Patrinos GP (eds.): *Psychiatric Genomics*. Elsevier Science, Cambridge MA, U.S. 2022.

Book chapters

1. Pošmurová M, **Alda M**, Plavka R, Filip V, Karen P: Single-dose effects of two vasopressin derivatives in healthy volunteers: a psychometric study. In: *Neuropeptides and Psychosomatic Processes*, E. Endroczi, D. De Wied, L. Angelucci, U. Scapagnini (editors). Akad. Kiado, Budapest, 1983.
2. **Alda M**: Mathematical methods in genetics in psychiatry. In P. Zvolsky: *Development of genetics in psychiatry* (in Czech). Avicenum, Prague 1991.
3. **Alda M**, Zvolsky P, Grof P, Walsh M: Prophylactic lithium response and genetics of primary affective disorders. In: *Aktuelle Aspekte der Psychiatrie*, Kuhne G-E (editor), Universitätsverlag Jena, 1991.
4. **Alda M**, Grof P, Cameron P: Lithium as a tool in genetic research. In: *Lithium in Medicine and Biology*, N. Birch (editor), Marius Press, 1993.
5. **Alda M**: Genetics of depression. In: *Depression '93*, Arato M (editor), Hungarian Psychiatric Association, Budapest, 1993.
6. Grof P, **Alda M**: The marriage of lithium response and the genetics of affective disorders. In: *Proceedings of the Malta Lithium Symposium*, V Gallicchio (editor), 1996.
7. Duffy, A, Kutcher S, **Alda M**, Grof P. Hypotheses genetiques et troubles de l'humeur a debut precoce. In: *Les depressions chez l'enfant et l'adolescent. Faits et questions*. Mouren-Simeoni MC and Klein RG (editors). Expansion Scientifique Publications, Paris, 1997.
8. **Alda M**, Grof P: Genetics and lithium response in bipolar disorders. In: *Basic Mechanisms and Therapeutic Implications of Bipolar Disorder*. Soares JC and Gershon S (editors). Marcel Dekker, NY, 2000.
9. **Alda M**: Genetic factors and response to prophylactic treatment in bipolar disorder. In: *Pharmacogenetics of Psychotropic Drugs*. Lerer B (editor), Cambridge University Press, Cambridge, 2002.
10. **Alda M**: Genetics of mood disorders - a lesson in complexity. In: *The Engelsberg Seminar 2002*. The Axel and Margaret Ax:son Johnson Foundation, 2005.
11. **Alda M**, Grof P, Zvolsky P: Genetic factors and response to lithium treatment. In: *Lithium in Neuropsychiatry*. Bauer M, Grof P, Muller-Oerlinghausen B (editors), Informa UK Ltd, 2006.
12. **Alda M**: Pharmacokinetics of lithium. In: *Lithium in Neuropsychiatry*. Bauer M, Grof P, Muller-

Oerlinghausen B (editors), Informa UK Ltd, 2006.

13. **Alda M**: Psychiatric genetics. In: Genetics in Clinical Practice (in Czech). R. Brdicka (editor), Galen Press, Prague 2016.
14. Squassina A, Pisanu C, **Alda M***: Effect of lithium on gene expression modulation, The Science and Practice of Lithium Therapy. Gin S. Malhi, Marc Masson, Frank Bellivier (editors), Springer International Publishing, Cham, Switzerland, 2016.
15. **Alda M**. Lithium. SAGE Encyclopedia of Abnormal and Clinical Psychology. Amy Wenzel (editor) 2017.
16. Pisanu C, Squassina A, **Alda M**, Severino G: Pharmacogenomics of bipolar disorder. In: Personalized Psychiatry. B. Baune (editor), Academic Press 2019.

Papers and research reports - not peer reviewed

1. **Alda M**, Posmurova M, Filip V, Karen P: Comparison of effects of single-dose administration of two doses of terguride, lisuride and haloperidol in healthy volunteers (in Czech). Research Report for Research Institute of Pharmacy and Biochemistry, Prague 1984.
2. **Alda M**, Filip V: Structured Adverse Effects Rating Scale (in Czech). In: Manual of psychiatric rating scales, Filip et al. (eds), Zpravy VUPs, Prague 1985.
3. **Alda M**: Comparison of efficacy of terguride and prochlorperazine in the treatment of negative-symptom schizophrenia - double blind study (in Czech). Research Report for Research Institute of Pharmacy and Biochemistry, Prague, 1987.
4. **Alda M**: What is new in genetic research of bipolar disorder? (in Czech). Psychiatrie 2: 86 - 93, 1998.
5. **Alda M**: Lithium in the treatment of bipolar disorder. Drugs and Therapeutics for Maritime Practitioners 25: 19 - 23. 2002.
6. Hájek T, MacMaster FP, **Alda M**, Carrey N: Test retest reliability of voxel based morphometry - annotation. Psychiatrie 7 (Suppl. 3): 27 - 29, 2003.
7. **Alda M**, Hajek T: The risk and the burden of bipolar disorder - the value of high-risk studies. Psychiatrie 12: 90 - 92, 2008.

Book reviews, comments

1. **Alda M**. Professor George Winokur - In memoriam. Journal of Psychiatry and Neuroscience 22: 70, 1997.
2. **Alda M**. Essential psychopharmacology - neuroscientific basis and practical applications. Stahl SM. (book review). Canadian Journal of Psychiatry 42: 977 - 978, 1997.
3. **Alda M**. Mood disorders accross the life span. Kutcher Sp, Shulman K, Tohen M. (book review). Canadian Journal of Psychiatry 44: 90, 1999.
4. **Alda M**. Antidepressants. New pharmacological strategies. Skolnick P. (book review). Canadian Journal of Psychiatry 44: 281 - 282, 1999.

INVITED LECTURES

1. Prediction of lithium serum levels: a computerized kinetics model. Psychiatric Research Unit, McMaster University, Hamilton, 1985.
2. Adverse effects of psychopharmacotherapy. Annual Psychopharmacological Conference, Jeseník, Czechoslovakia, 1986.
3. Genetics of schizophrenia. Czechoslovak Academy of Sciences, Brno, Czechoslovakia, 1986.
4. Genetic markers in psychopharmacology. Annual Psychopharmacological Conference, Jeseník, Czechoslovakia, 1987.
5. Genetic studies of chronic schizophrenia. Nathan Kline Institute, New York, 1989.
6. Genetics of lithium response. Lafayette Clinic, Detroit, Michigan, 1990.
7. Genetic counselling in recurrent affective disorders. International Symposium on Long Term Treatment of Affective Disorders, Ottawa, 1990.

8. Pharmacokinetic aspects of lithium therapy. Douglas Hospital, McGill University, Montreal, 1991.
9. Genetic counselling in affective disorders. Review lecture at Ontario Psychiatric Association Meeting, Toronto, 1991.
10. Genetics of lithium responsive affective disorders. Clarke Institute, Toronto, 1992.
11. Genetic counselling in psychiatry. Sunnybrook Hospital, University of Toronto, 1993.
12. Lithium response as a marker for genetic research in affective disorders. 17th Annual Meeting of the CCNP. Quebec City, May 1994.
13. Genetics of affective disorders. International Symposium on Long Term Treatment of Affective Disorders, Vienna, September 1994.
14. Lithium response as a research tool. International Symposium on Long Term Treatment of Depression and Bipolar Disorder. Ottawa, September 1995.
15. Genetics of bipolar disorder. Ontario Psychiatric Association Meeting. Toronto, January 1997.
16. Puzzles of psychiatric genetics: lessons from the study of bipolar illness. University of Calgary, December 1997.
17. Clinical and therapeutic aspects of bipolar disorder. North Bay Psychiatric hospital, February 1998.
18. Genetics of lithium responsive bipolar disorder. Western Psychiatric Institute and Clinic, Pittsburgh, May 1998.
19. Recent genetic findings in bipolar disorder. International symposium on affective disorders, Prague, September 1998.
20. Genetic studies of bipolar disorder. Allan Memorial Institute, McGill University, May 1999.
21. Genetics and treatment response to lithium. Invited speaker. Annual Psychopharmacological Conference, Jesenik, Czech Republic, January 2000.
22. Neurogenetics of lithium response. Plenary speaker. Research Day, Department of Psychiatry, Dalhousie University, Halifax, March 2000.
23. The impact of treatment on mortality and suicide in patients with mood disorders. McMaster University, Hamilton, June 2000.
24. Pharmacogenetic strategy for mapping susceptibility genes for bipolar disorder. Invited speaker, XXIInd CINP Congress, Brussels, July 2000.
25. Neurogenetic mechanisms of lithium. Symposium of the Psychiatric Centre in Prague, Prague, May 2001.
26. Heterogeneity of the suicide risk in families of bipolar patients. Invited speaker. VIIth World Congress of Biological Psychiatry, Berlin, July 2001.
27. Genetic factors in treatment of major psychiatric disorders. Grand rounds, Douglas Hospital and Montreal General Hospital, McGill University, Montreal, November 2001.
28. Genetic factors in treatment of major psychiatric disorders. Grand rounds, Department of Psychiatry, University of Alberta, Edmonton, May 2002.
29. Genetics of mood disorders - a lesson in complexity. Lecture, The Engelsberg Seminar, 2002. The Axel and Margaret Ax:son Johnsson Foundation, Avesta, Sweden, June 2002.
30. Genetics of suicidal behaviour in bipolar spectrum disorders. International Symposium on Long Term Treatment of Affective Disorders, Prague, September 2002.
31. Genes and Human Behaviour: Conceptual and Ethical Issues. Round table discussion participant. International workshop, Dalhousie University, Halifax, November 2002.
32. Pharmacogenetic approach to heterogeneity of bipolar disorder. Invited speaker. Annual Psychopharmacological Conference, Jesenik, Czech Republic, January 2003.
33. Pharmacogenetics and heterogeneity of mood disorders. Seminar, Alan Memorial Institute, McGill University, May 2003.
34. Alda M, Grof P, Rouleau GA, Turecki G, Young LT: Neurobiology of treatment response in affective disorders. 16th Congress of European College of Neuropsychopharmacology, Prague, September 2003.
35. Genetics and pharmacogenetics of lithium response. International Society for Affective Disorders,

Cancun, March 2004.

36. The phenotype of bipolar disorder. Special seminar on mood disorders, Department of Psychiatry, Charles University School of Medicine Hradec Kralove, Czech Republic, September 2004.
37. Phenotypes of bipolar disorder: relevance for research and treatment. Grand rounds, Saint John Regional Hospital, Dalhousie University, Saint John, NB, October 2004.
38. The phenotype of bipolar disorder. Guest speaker, Neuroscience Research Symposium, University of Toronto, Sunnybrook & Women's College Health Sciences Centre, Toronto, November 2004.
39. Mapping susceptibility genes for bipolar disorder. Seminar, Prague Psychiatric Centre, Prague, Czech Republic, April 2005.
40. Genetic heterogeneity of bipolar disorder: research and clinical implications. Grand rounds, Centre for Addiction and Mental Health, University of Toronto, June 2005.
41. Excellent lithium responders as endophenotype in molecular genetic studies of bipolar illness. New Perspectives of Lithium Treatment, Poznan, September 2005.
42. Addressing the genetic heterogeneity of bipolar disorder. Department of Genetics, King Faisal Specialist Hospital and Research Centre, Riyadh, November 2005.
43. Bipolar disorder - an update. Department of Psychiatry, King Faisal Specialist Hospital and Research Centre, Riyadh, November 2005.
44. Depression in the medical context. Department of Psychiatry, King Faisal Specialist Hospital and Research Centre, Riyadh, November 2005.
45. Heterogeneity of bipolar disorder: clinical and research implications. Plenary speaker, 5th National Congress of Mexican association for Mental Health, Acapulco, March 2006.
46. Stone-age tool? Lithium in research and treatment of bipolar disorder. Visiting Professorship Lectures, Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine, Pittsburgh, PA, September 2006.
47. Molecular and genetic studies of bipolar disorder responsive to lithium. Annual Conference of the National Institute of Psychiatry Ramon de la Fuente, Mexico City, October 2006.
48. There and back again. What do genetic studies tell us about the nature of mood disorders? Plenary lecture. 15th European Congress of Psychiatry, Madrid, March 2007.
49. Clinical and genetic factors in long term response to mood stabilizers. Association des médecins psychiatres du Québec Annual Congress, Mt. Tremblant, June 2007.
50. Bipolar disorder: the risk and the burden. Dresdner Perspektiven Psychiatrischer Forschung. Wissenschaftliches Symposium. September 2007.
51. Mechanisms of mood stabilization: is neuroprotection the key? Invited speaker. Annual Psychopharmacological Conference, Jesenik, Czech Republic, January 2008.
52. Lithium: a stone-age tool? University rounds. Department of Psychiatry, 1st Medical School, Charles University, Prague, Czech Republic, April 2008.
53. Genetics of lithium response. Visiting professor lecture. Departments of Neuroscience and Clinical Pharmacology, University of Cagliari, Italy, May 2008.
54. Treatment response and clinical picture of BD in naturalistic studies. Visiting professor lecture. Departments of Neuroscience and Clinical Pharmacology, University of Cagliari, Italy, May 2008.
55. Neuroimaging in mood disorders: clinical and research relevance. Visiting professor public lecture. University of Cagliari, Italy, June 2008.
56. Heterogeneity of bipolar disorders and implications for effective treatment. Plenary lecture, Annual Conference of the Canadian Academy of Child and Adolescent Psychiatry, Vancouver, September 2008.
57. The risk and the burden of bipolar disorder. Special lecture, World Congress of Psychiatry, Prague, September 2008.
58. The promise and challenges of personalized treatment of bipolar disorder. Keynote lecture, Alberta Psychiatric Association meeting, Banff, March 2009.
59. Lithium in psychiatry: historical perspective and its role in the treatment of bipolar disorder. Keynote

- lecture, Annual Meeting of the Chilean Society of Neurology, Neurosurgery and Psychiatry, Puerto Varas, November 2009.
60. A stone-age tool? Lithium in research of bipolar disorder. Keynote lecture, Annual Meeting of the Chilean Society of Neurology, Neurosurgery and Psychiatry, Puerto Varas, November 2009.
 61. What if? Grand rounds, Department of Psychiatry, Charles University School of Medicine, Hradec Kralove, April 2010.
 62. Genetic research of bipolar disorder: ready for clinical applications? International Review of Bipolar Disorders, Budapest, May 2010.
 63. Therapy with lithium salts: between publicity and reality. Invited public lecture, Cagliari, Italy, October 2010.
 64. The burden of bipolar illness. Visiting professor lecture, Department of Neuroscience, University of Cagliari, May 2011.
 65. Brain structure and function in the development and progression of mood disorder. Plenary lecture, 1st Royal Military Hospital International Symposium in Psychiatry “Advances in Psychiatry and Addiction”. Riyadh, October 2011.
 66. A stone-age tool. Lithium in the treatment and research of bipolar disorder. Grand rounds. Mayo Clinic, Rochester, MN, December 2011.
 67. Genetics of bipolar disorder responsive to lithium. Peruvian-American Medical Society Annual Meeting. Lima, Peru, June 2012.
 68. Genetics of lithium response and personalized treatment of bipolar disorder. The Mogens Schou Memorial Lecture (plenary lecture). CINP Thematic Meeting on Pharmacogenomics and Personalised Medicine in Psychiatry, Jerusalem, Israel, April 2013.
 69. Familial and treatment factors in bipolar patients at risk for suicide. Italian Society of Biological Psychiatry Congress. Naples, September 2013.
 70. Familial and treatment factors in bipolar patients at risk for suicide. Invited lecture at University of Cagliari. September 2013.
 71. The risk of suicide behaviour in bipolar disorder. Academic rounds at Departments of Neurology and Psychiatry, Charles University, Prague, May 2014.
 72. The risk and the burden of bipolar disorder. Keynote lecture at Annual Research Day, Department of Psychiatry and Behavioural Neurosciences, McMaster University, April 2015.
 73. Genetics of lithium response: 10 years later. Invited lecture, National Institute of Mental Health, Klecany, Czech Republic, May 2015.
 74. Developmental factors in bipolar disorder. Keynote lecture, 4th Conference of the Chilean Society for Bipolar Disorders. Santiago de Chile, September 2015.
 75. The risk of suicide in bipolar disorder. Plenary lecture, 4th Conference of the Chilean Society for Bipolar Disorders. Santiago de Chile, September 2015.
 76. Suicide risk in people with bipolar disorder. Douglas Utting Prize lecture. Montreal, November 2015.
 77. The risk of suicide behavior in bipolar disorder. Invited lecture, National Institute of Mental Health, Klecany, Czech Republic, November 2015.
 78. Thinking Rationally about the Treatment of Bipolar Disorder. Colvin Prize lecture (online), New York, October 2020.
 79. Thinking rationally about the treatment of bipolar disorder. Invited seminar (online), McMaster University, Hamilton, Canada, June 2021.
 80. Thinking rationally about the treatment of bipolar disorder. Invited seminar (online), University of Oxford, United Kingdom, June 2021.
 81. Genetics of response to lithium. Guest lecture, Rome, October 2021.
 82. Personalized long-term treatment of bipolar disorder. Heinz Lehmann Award lecture (online), November 2021.
 83. Psychiatry research. National Institute of Mental Health, Czech Republic, September 2022.
 84. Personalized treatment of bipolar disorder. University of Haifa, November 2022.

85. How close are we to personalized treatment in psychiatry? Department of Neurology, Charles University, Prague, November 2022
86. Pharmacogenetic aspects of bipolar disorder. Czech Academy of Science, Prague, January 2023.
87. PLOT-BD. Personalization of Long term Treatment in Bipolar Disorder. ERA PerMed conference. Cluj, February 2023.
88. Genetics and neurobiology of bipolar disorder in heterogeneity perspective. Expert lecture. Neurotorium meeting on bipolar disorders. Tarragona, October 2023.
89. Personalized treatment of bipolar disorder: clinical and genomic factors. The Italian Society of Biological Psychiatry Annual Congress. Naples, October 2023.
90. Genomic and neurobiological studies can elucidate the mode of action of lithium. Plenary symposium. International Society for Affective Disorders. Milano, December 2023.
91. Clinical and genomic data can inform treatment decisions in bipolar disorder. World Congress of Biological Psychiatry, Istanbul, June 2024.
92. Heterogeneity of bipolar disorder. Implications for maintenance treatment. Academic grand rounds, Queens University, Kingston, October 2024.
93. Personalization of long-term treatment of bipolar disorder. Relevance of heterogeneity and clinical profiling. Plenary lecture. Peruvian Society for Bipolar Disorder. Lima, October 2024.
94. Suicide in bipolar disorder. The risk factors and treatment considerations. Plenary lecture. Peruvian Society for Bipolar Disorder. Lima, October 2024.
95. Phenotypic complexity and longitudinal outcome in bipolar disorder. Canadian College of Neuropsychopharmacology. Montreal, Canada, September 2025.
96. Clinical and genetic heterogeneity of bipolar disorder. World Congress of Psychiatry. Prague, October 2025.
97. Genetics of bipolar disorder: Heterogeneity as the key to personalized treatment. Guest lecture, National Institute of Mental Health, Czech Republic, November 2025.

Published abstracts and conference presentations

I do not keep a detailed record