

## 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](mailto:malda@dal.ca) (e-mail)  
<https://medicine.dal.ca/departments/department-sites/psychiatry/our-people/faculty/martin-alda.html> (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<sup>rd</sup> 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<sup>rd</sup> 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; <a href="http://www.ecnp.eu">www.ecnp.eu</a>
1990 - present	American Society of Human Genetics (ASHG), member; <a href="http://www.ashg.org">www.ashg.org</a>
1990 - present	International Group for Study of Patients Treated with Lithium (IGSLi), member; <a href="http://www.igsli.org">www.igsli.org</a>
1992 - present	Canadian Medical Association (CMA), member; <a href="http://www.cma.ca">www.cma.ca</a>
1994 - present	Canadian Psychiatric Research Foundation (CPRF), Professional Advisory Board member; <a href="http://healthymindscanada.ca">healthymindscanada.ca</a>
1994 - present	International Society of Psychiatric Genetics (ISPG), member; <a href="http://www.ispg.net">www.ispg.net</a>
2003 - present	Canadian College of Neuropsychopharmacology (CCNP), member and councillor (2014 - 2016, two-year term); <a href="http://www.ccnp.ca">www.ccnp.ca</a>
2006 - present	International Society for Bipolar Disorder (ISBD), member; <a href="http://www.isbd.org">www.isbd.org</a> , councillor (2012 - 2013, two-year term)
2008 - present	ConLiGen (consortium to study genetics of lithium response), member; <a href="http://www.conligen.org">www.conligen.org</a>

- 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](http://www.cinp.org)
- 2012 - present The American College of Neuropsychopharmacology, elected member; [www.acnp.ca](http://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

## 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
- 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
- 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

\* *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, <b>Alda M</b> , 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. Zvolisky, 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<sup>rd</sup> 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.
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358. Manchia M, Sani G, **Alda M**: Suicide risk and lithium. *JAMA Psychiatry* 79: 513, 2022.
359. 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*, in press.
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361. 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*, in press.
362. 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 TJJ, 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*, in press.
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\* *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 tergruride, 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 tergruride 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, Jesenik, Czechoslovakia, 1986.
3. Genetics of schizophrenia. Czechoslovak Academy of Sciences, Brno, Czechoslovakia, 1986.
4. Genetic markers in psychopharmacology. Annual Psychopharmacological Conference, Jesenik, 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. 17<sup>th</sup> 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, XXIIInd 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. 16<sup>th</sup> 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, 5<sup>th</sup> 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. 15<sup>th</sup> 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, Jeseník, Czech Republic, January 2008.
52. Lithium: a stone-age tool? University rounds. Department of Psychiatry, 1<sup>st</sup> 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, 1<sup>st</sup> 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, 4<sup>th</sup> Conference of the Chilean Society for Bipolar Disorders. Santiago de Chile, September 2015.
  75. The risk of suicide in bipolar disorder. Plenary lecture, 4<sup>th</sup> 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. Rationally about the treatment of bipolar disorder. Invited seminar (online), McMaster University, Hamilton, Canada, June 2021.
  80. 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.

### **Published abstracts and conference presentation**

I do not keep a detailed record