

**Name:** Rudolf Uher, MD, PhD, MRCPsych

**Position:** Professor, Canada Research Chair in Early Intervention in Psychiatry, Dalhousie University, N.S., Canada;  
Honorary Clinical Senior Lecturer, Institute of Psychiatry, King's College London, UK

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### Education & Training:

2010, November 10 Certificate of Completion of Training, Psychiatry, Maudsley Hospital, UK  
2007, January 1 M.R.C.Psych., Royal College of Psychiatrists, UK  
2004, March 11 Ph.D. in Neuroscience, Charles University, Prague, Czech Republic  
1999, May 21 M.D., General Medicine, Charles University, Prague, Czech Republic

### Employment

2016 - ongoing Professor, Dalhousie University Department of Psychiatry  
2012 - ongoing Staff Psychiatrist, Capital District Health Authority, Halifax, NS, Canada  
2014 - ongoing Honorary Clinical Senior Lecturer, Institute of Psychiatry, King's College London  
2012 - 2014 Clinical Senior Lecturer, Institute of Psychiatry, King's College London  
2012 - 2016 Associate Professor, Dalhousie University Department of Psychiatry  
2007 - 2012 Clinical Lecturer, Institute of Psychiatry, King's College London  
2004 - 2010 Resident in Psychiatry, Maudsley Hospital, London, UK  
2000 - 2004 Research Fellow, Institute of Psychiatry, King's College London, UK

### Professional Membership

2016 - ongoing College of New Scholars, Artists and Scientists of the Royal Society of Canada  
2013 - ongoing Member, Anxiety and Depression Association of America (ADAA)  
2012 - ongoing College of Physicians and Surgeons of Nova Scotia (license no: 015766)  
2011 - ongoing Member, the Society of Biological Psychiatry  
2011 - ongoing Member, Brain Repair Centre, Halifax, NS, Canada  
2007 - ongoing Member, Royal College of Psychiatrists  
2004 - ongoing General Medical Council, UK, registered medical practitioner

### Honours

2016 The Royal-Mach-Gaensslen Prize for Mental Health Research  
2016 College of New Scholars, Artists and Scientists of the Royal Society of Canada  
2016 NARSAD Independent Investigator  
2014 Max Hamilton Memorial Prize, CINP (The International College of Neuropsychopharmacology)  
2014 David Mrazek Memorial Lectureship (National Network of Depression Centres, USA)  
2012 Canada Research Chair in Early Intervention in Psychiatry, Canada  
2011 Robert W. Kerwin Prize in Psychopharmacology, UK  
2009 Denis Hill Prize, Maudsley Hospital, King's College London, UK  
2002 - 2003 Wellcome Trust Travelling Research Fellowship, UK  
2000 - 2001 Socrates-Erasmus Studentship, EU

### Editorial work and Consulting

2016 - ongoing	Scientific Advisor, American Foundation for Suicide Prevention
2012 - ongoing	Associate Editor, Depression and Anxiety
2012 - ongoing	Editorial Board Member, Social Psychiatry and Psychiatric Epidemiology
2009 - ongoing	World Health Organization, consultant, work group member and co-chair

### Boards and Committee Membership

2014 - ongoing	Fellowship and Awards Committee, The International College of Neuropsychopharmacology (CINP)
2013 - ongoing	Conference Program Committee, Canadian Depression Research and Intervention Network (CDRIN)
2013 - ongoing	Conference Program Committee, Society for Biological psychiatry
2013 - ongoing	Canadian Institutes of Health Research (CIHR), Doctoral Research Awards B Committee
2012 - 2015	Research Advisory Committee, Faculty of Medicine, Dalhousie University
2012 - 2014	Program Committee, World Congress of Psychiatric Genetics
2003 - 2012	Faculty 1000, Evaluation Board Member

### Leadership roles

**Families Overcoming Risks and Improving Opportunities for Well-being (FORBOW); principal investigator.** FORBOW is a cohort of youth, including offspring of parents with severe mental illness (schizophrenia, bipolar disorder, major depressive disorder) with embedded randomized controlled trials of pre-emptive early interventions. FORBOW has enrolled 321 offspring and 395 parents.

**Skills for Wellness (SWELL); principal investigator.** This randomized clinical trial is testing a pre-emptive early intervention for youth to reduce the risk of severe mental illness.

**Maritime Hub of the Canadian Depression Research and Intervention Network (CDRIN-Maritime); principal investigator, co-lead.** The hub is part of a national network and it enables large-scale clinical research in major depressive disorder and related conditions. Dr Uher has developed a participatory registry that enables person-centred measurement based care for depression.

**Canadian Biomarker Integration Network in Depression (CAN-BIND), site principal investigator, data science platform lead and executive board member.** CAN-BIND seeks to personalize treatment for depression with the use of multimodal assessment, including clinical history, brain scans, genetic and biochemical information.

**Personalized indications for cognitive behavioural therapy and antidepressants in the treatment of major depressive disorder and persistent depressive disorder; principal investigator.** Based on a partnership between CDRIN and CAN-BIND, this clinical trial seeks to find out who is more likely to benefit from psychological treatment or from medication.

**World Health Organization (WHO) and the International Classification of Mental Disorders.** Since 2009, Dr Uher has been working for WHO on the 11<sup>th</sup> revision of the International Classification of Diseases as a consultant, working group member and co-chair. His work included drafting the definitions of mental and behavioural disorders in childhood and eating disorders.

**Canadian Network for Mood and Anxiety Treatments (CANMAT) Clinical Practice Guidelines for treatment of depression.** Dr Uher has co-lead (with Drs Sagar and Quilty) the working group on the

2015/2016 revision of the CANMAT guidelines for psychological treatment of depression and leads a topic work group of the CANMAT guidelines on pharmacotherapy of depression.

**Clinical Pathway for Depression.** Dr Uher has led a working group responsible for reviewing evidence, writing guidelines, implementing and evaluating restructuring of clinical services for people with major depressive disorder and related conditions in the Capital District Health Authority, Halifax, NS. The review has been completed in 2015. The project is now in the implementation phase.

## Teaching

### Courses and lectures

2017-ongoing	Psychiatry Research, Master-level core course.
2014-ongoing	Journal club & Research Methods series, residents, Dalhousie University
2012-ongoing	Personalized Psychiatry, residents, Dalhousie University
2012-ongoing	Treatment of depression, residents, Dalhousie University
2012-ongoing	Measurement scales in Psychiatry, residents, Dalhousie University
2012-ongoing	Psychiatric Genetics, residents, Dalhousie University
2012-ongoing	Pharmacogenetics, SGDP Summer School in Psychiatric Genetics
2010-ongoing	Gene-environment interactions, SGDP Summer School in Psychiatric Genetics
2015	Literature Review and Meta-analysis, Research Track Residents, Canada.
2008 - 2011	Measurement Scales in Psychiatry, MRCPsych course, Maudsley Hospital
2007 - 2011	Psychopathology, course for PhD students, King's College London

### Supervision, Honors

2016 - 2017 Heather Oland: Irritability as a marker of liability for major mood disorders.

### Supervision, Masters

2009 - 2010	Robert Power: Evolutionary framework and the genetics of mental disorders, completed
2003 - 2004	Daniella Yoganathan; Modification of food craving using TMS, completed
2003 - 2004	Pat Burton; Eating habits and personality, completed
2002 - 2003	Samantha Brooks; Emotion - Cognition Interaction, completed

### Supervision, PhD

2015 - ongoing	Vladislav Drobinin: Brain development and risk of severe mental illness.
2015-ongoing	Alyson Zwicker: Molecular genetics of developmental psychopathology leading to severe mental illness.
2014-ongoing	Lynn MacKenzie, Cognitive functioning and familial risk of severe mental illness.
2010-2014	Robert Power: Genetic architecture of mental disorders, (completed September 2, 2014, no corrections).
2009-2012	Karim Malki: Integrated pharmacogenetic analysis of mouse and human data (completed December 4, 2012, minor corrections).
2008-2011	Robert Keers: Genetic, environmental and developmental aspects of response to antidepressant drugs (completed November 9, 2011, no corrections).

### Supervision, post-doctoral

2013 – 2016	Dr Raquel Iniesta, machine learning for treatment outcome prediction.
2010 – 2013	Dr. Katherine Tansey, antidepressant pharmacogenomics.

### **Supervision, residents**

- 2016 – ongoing Dr. Jennifer Ojiegbe: Preferences for pharmacological and psychological treatment in individuals living with depression
- 2013 – 2016 Dr Alice Aylott, sex-specific effects in familial transmission of psychopathology, project completed, publication ongoing.
- 2012 – 2013 Dr. Daniel Rasic, meta-analysis of risk of mental disorders in offspring of parents with severe mental illness, completed.

### **Examining**

- 2016 Anne Ranning, Ph.D., University of Copenhagen, Denmark
- 2016 Nis Palm Suppli, Ph.D., University of Copenhagen, Denmark
- 2010 Krisztina Mekli, Ph.D., University of Manchester, UK

### **Mentoring**

- 2015 Junior Investigator Colloquium, Canadian Psychiatric Association
- 2015 Neuroscience School of Advanced Studies, Biomarker Research
- 2012 - ongoing International mentoring program of the Society of Biological Psychiatry
- 2010 8<sup>th</sup> European Research Training Seminar in Child and Adolescent Psychiatry, Siena, Italy. Faculty member. small group mentoring.

## Research Funding Support

### Ongoing

Canadian Institutes of Health Research Foundation Grant 01/07/16 - 30/06/21 \$1,190,608  
 Families Overcoming Risks and Building Opportunities for Well-being (FORBOW): Early Intervention Targets Psychopathological Antecedents to Pre-empt Severe Mental Illness in Youth at Risk.  
 Role: PRINCIPAL INVESTIGATOR.

NARSAD Independent Investigator Grant Uher (PI) 15/09/16 - 15/09/18 \$98,000  
 Behavioral Brain Research Foundation  
 Brain connectivity as an early indicator of preventive intervention effects in youth at risk for severe mental illness.  
 Role: PRINCIPAL INVESTIGATOR.

Nova Scotia Health Research Foundation (8996/EGMS 1716) 01/01/14 - 12/31/17 \$147,275  
 Cognitive-behavioral therapy for psychotic-like experiences and basic symptoms in children and adolescents: a pilot randomized-controlled trial, Establishment Grant.  
 Role: PRINCIPAL INVESTIGATOR.

ONTARIO BRAIN INSTITUTE / CDRIN / Dalhousie Uher (PI) 01/09/16 - 31/08/17 \$94,552  
 Personalized indications for cognitive behavioural therapy and antidepressants in the treatment of major depressive disorder and persistent depressive disorder. The budget is composed of funds from the Ontario Brain Institute (\$47,276), CDRIN Maritime Hub (\$15,759) and Dalhousie Department of Psychiatry (31,517).  
 Role: PRINCIPAL INVESTIGATOR.

HEALTH CANADA / CDRIN Uher, Pilon (PIs) 01/04/14 - 31/03/17 \$453,000  
 The CDRIN Maritimes Depression Hub: enabling clinical research to improve lives. The Hub activities include a Maritime Depression Registry, which provides a platform enabling translational research in depression, with strong involvement of individuals with lived experience of depression, two-way communication between clinic and research and evaluation of therapeutic innovations and service improvements. The Hub will enable low-cost clinical trials and large-scale applied clinical research.  
 Role: PRINCIPAL INVESTIGATOR.

Nova Scotia Health Research Foundation Pavlova (PI) 01/01/17 - 12/31/20 \$149,966  
 Transgenerational prevention of anxiety in children at ultra-high risk, Establishment Grant.  
 Role: CO-INVESTIGATOR.

Canadian Institutes of Health Research, Hajek (PI) 09/01/15 - 08/01/20 \$679,220  
 Is type 2 diabetes mellitus a risk factor for neuroanatomical changes, cognitive impairment and oxidative stress in bipolar disorders? Role: CO-INVESTIGATOR.

Canadian Institutes of Health Research, Turecki (PI) 04/01/14 - 03/01/19 \$883,261  
 Role of microRNA in Major Depression and Suicide  
 Role: CO-INVESTIGATOR.

Capital Health Research Fund Pavlova (PI) 01/01/13 - 12/31/16 \$14,623  
 Cognitive behavioural therapy for social phobia in people with bipolar disorder: a pilot study.  
 Role: CO-INVESTIGATOR.

**Completed**

- Canadian Institutes of Health Research 01/07/15 - 30/06/16 \$100,000  
 Families Overcoming Risks and Building Opportunities for Well-being (FORBOW): evaluating pre-emptive early interventions for antecedents to prevent severe mental illness.  
 Role: PRINCIPAL INVESTIGATOR.
- Canadian Institutes of Health Research 01/07/12 - 30/06/15 \$288,773  
 Opportunities for very early intervention in youth at high risk for severe mental illness. Canadian Institute of Health Research (CIHR) – Nova Scotia Health Research Foundation (NSHRF) Regional Partnership Program, with matching funds from Department of Psychiatry, Dalhousie University.  
 Role: PRINCIPAL INVESTIGATOR.
- CFI 04/2014 – 03/2016 \$385,753  
 Families Overcoming Risks and Building Opportunities for Well-being (FORBOW), Canadian Foundation for Innovation, Leaders Opportunity Fund.  
 Role: PRINCIPAL INVESTIGATOR.
- Capital Health Research Fund Uher (PI) 01/09/14 - 08/31/16 \$15,000  
 Effect of cognitive-behavioural intervention on the trajectories of brain development in adolescents at risk for severe mental illness.  
 Role: PRINCIPAL INVESTIGATOR.
- Capital Health Research Fund Cumby (PI) 04/01/14 - 03/31/16 \$14,964  
 Needs of Parents with Severe Mental Illness and their Offspring.  
 Role: CO-INVESTIGATOR / MENTOR.
- European Commission/IMI Kapur (PI) 09/01/09-08/31/14 €10,000,000  
 Novel Methods leading to New Medications in Depression and Schizophrenia (NEWMEDS). The aim of this project is the identification of new treatment targets for depression and schizophrenia.  
 Role: WORK PACKAGE LEAD.

**Publications, peer-reviewed journal articles**

Dr Uher has authored 177 articles in 2003-2016 and his publications have attracted 6,600 citations (currently over 1000 citations per year); ***h-index* = 43** (Source: **Web of Science**, Thomson Reuters, **March 24, 2017**), Researcher ID: [A-5477-2008](https://orcid.org/0000-0002-2998-0546); ORCID: [orcid.org/0000-0002-2998-0546](https://orcid.org/0000-0002-2998-0546) )

**2017**

- 177 MacKenzie LE, Patterson VC, Zwicker A, Drobinin V, Fisher HL, Abidi S, Greve AN, Bagnell A, Propper L, Alda M, Pavlova B, Uher R (2017) Hot and cold executive functions in youth with psychotic symptoms. *Psychological Medicine*, in revision.
- 176 Propper L, Cumby J, Patterson VC, Drobinin V, Glover JM, Mackenzie LE, Morash-Conway J, Abidi S, Bagnell S, Lovas D, Hajek T, Gardner W, Pajer K, Alda M, Uher R (2017) Disruptive mood dysregulation disorder in offspring of parents with depression and bipolar disorder. *British Journal of Psychiatry*, in press.
- 175 Pavlova B, Perlis RH, Mantere O, Sellgren CM, Isometsa E, Mitchell P, Alda M, Uher R (2017) Prevalence of current anxiety disorders in people with bipolar disorder during euthymia: A meta-analysis. *Psychological Medicine*, 47(6), 1107-1115.
- 175 Uher R, Zwicker A (2017) Etiology in psychiatry: embracing the reality of poly-gene-environmental causation of mental illness. *World Psychiatry*, 1-9, in press.
- 174 Marouli E, Graff M, Medina-Gomez C, Lo KS, Wood AR, ..., Uher R, ... Frayling TM, Hirschhorn JN, Deloukas P, Lettre G (2017) Rare and low-frequency coding variants alter human adult height. *Nature* 542(7640): 186-190.
- 173 García-González J, Tansey KE, Hauser J, Henigsberg N, Maier W, Mors O, Placentino A, Rietschel M, Souery D, Žagar T, Czerski PM, Jerman B, Buttenschøn HN, Schulze TG, Zobel A, Farmer A, Aitchison KJ, Craig I, McGuffin P, Giupponi M, Perroud N, Bondolfi G, Evans D, O'Donovan M, Peters TJ, Wendland JR, Lewis G, Kapur S, Perlis R, Arolt V, Domschke K; Major Depressive Disorder Working Group of the Psychiatric Genomic Consortium., Breen G, Curtis C, Sang-Hyuk L, Kan C, Newhouse S, Patel H, Baune BT, Uher R, Lewis CM, Fabbri C (2017) Pharmacogenetics of antidepressant response: A polygenic approach. *Prog Neuropsychopharmacol Biol Psychiatr* 75(4): 128-134.
- 172 Direk N, Williams S, Smith JA, Ripke S, ... , Uher R, ... Tiemeier H, Sullivan PF. An Analysis of Two Genome-wide Association Meta-analyses Identifies a New Locus for Broad Depression Phenotype. *Biological Psychiatry*, published on-line.
- 171 Köhler-Forsberg O, Buttenschøn HN, Tansey KE, Maier W, Hauser J, Dernovsek MZ, Henigsberg N, Souery D, Farmer A, Rietschel M, McGuffin P, Aitchison KJ, Uher R, Mors O (2017) Association between C-reactive protein (CRP) with depression symptom severity and specific depressive symptoms in major depression. *Brain, Behavior and Immunity*.
- 170 Boerner KE, Chambers CT, McGrath PJ, LoLordo V, Uher R (2017) The impact of parental modeling on child pain responses: The role of parent and child sex. *Journal of Pain*, published on-line.

**2016**

- 169 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 (2016) Stimulant medication and psychotic symptoms in offspring of parents with mental illness. *Pediatrics*, 137(1), 1-10.
- 168 Iniesta R, Malki K, Maier W, Rietschel M, Mors O, Hauser J, Henigsberg N, Dernovsek MZ, Souery D, Stahl D, Dobson R, Aitchison KJ, Farmer A, Lewis CM, McGuffin P, Uher R (2016) Combining clinical variables to optimize prediction of antidepressant treatment outcomes. *Journal of Psychiatric Research* 78(4):94-102.
- 167 Uher R (2016) Person-centered measurement-based care for depression. *World Psychiatry* 15(3):238-239.
- 166 Meier SM, Uher R, Mors O, Dalsgaard S, Munk-Olsen T, Laursen TM, Mattheisen M, Nordentoft M, Mortensen PB, Pavlova B (2016) Specific anxiety disorders and subsequent risk for bipolar disorder: a nationwide study. *World Psychiatry* 15(2):187-188.
- 165 Parikh SV, Quilty L, Ravitz P, Rosenbluth M, Pavlova B, Grigoriadis S, Velyvis V, Lam RW, MacQueen GM, Milev RV, Ravindran AV, Kennedy SH, Uher R (2016) Canadian Network for Mood and Anxiety Treatments (CANMAT) 2016 Clinical Guidelines for the Management of Adults with Major Depressive Disorder. Section 2: Psychotherapy Alone or in Combination with Antidepressant Medication. *Canadian Journal of Psychiatry*, 61(9):524-539.
- 164 Kennedy SH, Lam RW, McIntyre RS, Tourjman SV, Bhat V, Blier P, Hasnain M, Jollant F, Levitt AJ, MacQueen GM, McInerney SJ, McIntosh D, Milev RV, Müller DJ, Parikh SV, Pearson NL, Ravindran AV, Uher R (2016) Canadian Network for Mood and Anxiety Treatments (CANMAT) 2016 Clinical Guidelines for the Management of Adults with Major Depressive Disorder. Section 3. Pharmacological Treatments. *Canadian Journal of Psychiatry*, 61(9), 540-560.
- 163 Pavlova B, Perroud N, Cordera P, Uher R, Dayer A, Aubry JM (2015) Childhood maltreatment and comorbid anxiety in people with bipolar disorder. *Journal of Affective Disorders*, 192(3):22-27
- 162 Hodgson K, Tansey KE, Powell TR, Coppola G, Uher R, Zvezdana Dernovšek M, Mors O, Hauser J, Souery D, Maier W, Henigsberg N, Rietschel M, Placentino A, Aitchison KJ, Craig IW, Farmer AE, Breen G, McGuffin P, Dobson R (2016) Transcriptomics and the mechanisms of antidepressant efficacy. *European Neuropsychopharmacology* 26(1), 105-112
- 161 Mullins N, Power RA, Fisher HL, Hanscombe KB, Euesden J, Iniesta R, Levinson DF, Weissman MM, Potash JB, Shi J, Uher R, Cohen-Woods S, Rivera M, Jones L, Jones I, Craddock N, Owen MJ, Korszun A, Craig IW, Farmer AE, McGuffin P, Breen G, Lewis CM (2016) Polygenic interactions with environmental adversity in the aetiology of major depressive disorder. *Psychological Medicine* 46(4), 759-770
- 160 Rucker JJ, Tansey KE, Rivera M, Pinto D, Cohen-Woods S, Uher R, Aitchison KJ, Craddock N, Owen MJ, Jones L, Jones I, Korszun A, Barnes MR, Preisig M, Mors O, Maier W, Rice J, Rietschel M, Holsboer F, Farmer AE, Craig IW, Scherer SW, McGuffin P, Breen G (2016) Phenotypic Association Analyses with Copy Number Variation in Recurrent Depressive Disorder. *Biological Psychiatry*, 79(4): 329-336



- 159 Direk N, Williams S, Smith JA, Ripke S, Air T, Amare AT, Amin N, Baune BT, Bennett DA, Blackwood DH, Boomsma D, Breen G, Buttenschøn HN, Byrne EM, Børglum AD, Castelao E, Cichon S, Clarke TK, Cornelis MC, Dannowski U, De Jager PL, Demirkan A, Domenici E, van Duijn CM, Dunn EC, Eriksson JG, Esko T, Faul JD, Ferrucci L, Fornage M, de Geus E, Gill M, Gordon SD, Grabe HJ, van Grootheest G, Hamilton SP, Hartman CA, Heath AC, Hek K, Hofman A, Homuth G, Horn C, Jan Hottenga J, Kardina SL, Kloiber S, Koenen K, Kutalik Z, Ladwig KH, Lahti J, Levinson DF, Lewis CM, Lewis G, Li QS, Llewellyn DJ, Lucae S, Lunetta KL, MacIntyre DJ, Madden P, Martin NG, McIntosh AM, Metspalu A, Milaneschi Y, Montgomery GW, Mors O, Mosley TH Jr, Murabito JM, Müller-Myhsok B, Nöthen MM, Nyholt DR, O'Donovan MC, Penninx BW, Pergadia ML, Perlis R, Potash JB, Preisig M, Purcell SM, Quiroz JA, Räikkönen K, Rice JP, Rietschel M, Rivera M, Schulze TG, Shi J, Shyn S, Sinnamoni GC, Smit JH, Smoller JW, Snieder H, Tanaka T, Tansey KE, Teumer A, Uher R, Umbricht D, Van der Auwera S, Ware EB, Weir DR, Weissman MM, Willemsen G, Yang J, Zhao W, Tiemeier H, Sullivan PF. An Analysis of Two Genome-wide Association Meta-analyses Identifies a New Locus for Broad Depression Phenotype. *Biol Psychiatry*, published on-line. PMID: 28049566
- 158 Malki K, Tosto MG, Mouriño-Talín H, Rodríguez-Lorenzo S, Pain O, Jumhaby I, Liu T, Pappas P, Newman S, Malykh A, Carboni L, Uher R, McGuffin P, Schalkwyk LC, Bryson K, Herbster M. (2016) Highly polygenic architecture of antidepressant treatment response: Comparative analysis of SSRI and NRI treatment in an animal model of depression. *Am J Med Genet B Neuropsychiatr Genet*. 2016 Oct 1. doi: 10.1002/ajmg.b.32494.
- 157 Cattaneo A, Ferrari C, Uher R, Bocchio-Chiavetto L, Riva MA, Pariante CM (2016) Absolute Measurements of Macrophage Migration Inhibitory Factor and Interleukin-1- $\beta$  mRNA Levels Accurately Predict Treatment Response in Depressed Patients. *International Journal of Neuropsychopharmacology*, 19(10): doi: 10.1093/ijnp/pyw045.

## 2015

- 156 Pavlova B, Perlis RH, Alda M, Uher R (2015) Lifetime Prevalence Rates of Anxiety Disorders in People with Bipolar Disorder: A Systematic Review and Meta-Analysis, *The Lancet Psychiatry*, 2(8), 710-717.
- 155 Calkin CV, Ruzickova M, Uher R, Hajek T, Slaney CM, Garnham JS, O'Donovan MC, Alda M (2015) Insulin resistance and outcome in bipolar disorder, *British Journal of Psychiatry*, 206(1):52-7.
- 154 Cleare A, Pariante CM, Young AH, Anderson IM, Christmas D, Cowen PJ, Dickens C, Ferrier IN, Geddes J, Gilbody S, Haddad PM, Katona C, Lewis G, Malizia A, McAllister-Williams RH, Ramchandani P, Scott J, Taylor D, Uher R (2015) Evidence-based guidelines for treating depressive disorders with antidepressants: A revision of the 2008 British Association for Psychopharmacology guidelines. *Journal of Psychopharmacology*, 29(5):459-525.
- 153 Levine SZ, Rabinowitz J, Uher R, Kapur S (2015) Biomarkers of treatment outcome in Schizophrenia: Defining a benchmark for clinical significance. *European Neuropsychopharmacology*, 25(10):1578-85.
- 152 Hodgson K, Tansey KE, Uher R, Dernovšek MZ, Mors O, Hauser J, Souery D, Maier W, Henigsberg N, Rietschel M, Placentino A, Craig IW, Aitchison KJ, Farmer AE, Dobson RJ, McGuffin P (2015) Exploring the role of drug-metabolising enzymes in antidepressant side effects. *Psychopharmacology*, 232(14):2609-2617.

- 151 Buttenschøn HN, Foldager L, Elfving B, Poulsen PH, Uher R, Mors O (2015) Neurotrophic factors in depression in response to treatment. *Journal of Affective Disorders*, 183:287-294.
- 150 Ferentinos P, Koukounari A, Power R, Rivera M, Uher R, Craddock N, Owen MJ, Korszun A, Jones L, Jones I, Gill M, Rice JP, Ising M, Maier W, Mors O, Rietschel M, Preisig M, Binder EB, Aitchison KJ, Mendlewicz J, Souery D, Hauser J, Henigsberg N, Breen G, Craig IW, Farmer AE, Müller-Myhsok B, McGuffin P, Lewis CM (2015) Familiality and SNP heritability of age at onset and episodicity in major depressive disorder. *Psychological Medicine*, 45(10), 2215-2225
- 149 Hung CF, Breen G, Czamara D, Corre T, Wolf C, Kloiber S, Bergmann S, Craddock N, Gill M, Holsboer F, Jones L, Jones I, Korszun A, Kutalik Z, Lucae S, Maier W, Mors O, Owen MJ, Rice J, Rietschel M, Uher R, Vollenweider P, Waeber G, Craig IW, Farmer AE, Lewis CM, Müller-Myhsok B, Preisig M, McGuffin P and Rivera M (2015) A genetic risk score combining 32 SNPs is associated with body mass index and improves obesity prediction in people with major depressive disorder, *BMC Medicine*, 13:86.
- 148 Peyrot WJ, Lee SH, Milaneschi Y, Abdellaoui A, Byrne EM, Esko T, de Geus EJ, Hemani G, Hottenga JJ, Kloiber S, Levinson DF, Lucae S; Major Depressive Disorder Working Group of the Psychiatric GWAS Consortium (Corporate Collaborator), Martin NG, Medland SE, Metspalu A, Milani L, Noethen MM, Potash JB, Rietschel M, Rietveld CA, Ripke S, Shi J; Social Science Genetic Association Consortium (Corporate Collaborator), Willemsen G, Zhu Z, Boomsma DI, Wray NR, Penninx BW Major Depressive Disorder Working Group of the Psychiatric GWAS Consortium Corporate Collaborator (includes Uher R); Social Science Genetic Association Consortium Corporate Collaborator (2015) The association between lower educational attainment and depression owing to shared genetic effects? Results in ~25 000 subjects. *Molecular Psychiatry*, 20(6):735-743.
- 147 Arloth J, Bogdan R, Weber P, Frishman G, Menke A, Wagner KV, Balsevich G, Schmidt MV, Karbalai N, Czamara D, Altmann A, Trümbach D, Wurst W, Mehta D, Uhr M, Klengel T, Erhardt A, Carey CE, Conley ED; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium (PGC) - includes Uher R (2015) Genetic Differences in the Immediate Transcriptome Response to Stress Predict Risk-Related Brain Function and Psychiatric Disorders. *Neuron* 86(5):1189-202.

## 2014

- 146 Uher R, Tansey EK, Dew T, Maier W, Mors O, Hauser J, Dernovsek MZ, Henigsberg N, Souery D, Farmer A, McGuffin P (2014) An inflammatory biomarker predicts differential outcome of depression treatment with escitalopram and nortriptyline. *American Journal of Psychiatry*, 171(12): 1278-1286.
- 145 Rasic D, Hajek T, Alda M, Uher R (2014) 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(1): 28-38.
- 144 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 (2014). A familial risk enriched cohort as a platform for testing early interventions to prevent severe mental illness. *BMC Psychiatry*, 14(1):344.

- 143 Brown GW, Craig TKJ, Harris TO, Herbert J, Hodgson K, Tansey KE, Uher R (2014) Functional polymorphism in the brain-derived neurotrophic factor gene interacts with stressful life events but not childhood maltreatment in the etiology of depression. *Depression and Anxiety*, 31(4):326-334.
- 142 Hosang G, Shiles C, Tansey KE, McGuffin P, Uher R (2014) Interaction between stress and the BDNF Val<sup>66</sup>Met polymorphism in depression: a systematic review and meta-analysis. *BMC Medicine*, 12:7.
- 141 Tansey KE, Guipponi M, Domenici E, Lewis G, Malafosse A, O'Donovan M, Wendland JR, Lewis CM, McGuffin P, Uher R (2014) Genetic susceptibility for Bipolar Disorder and response to antidepressants in Major Depressive Disorder; *American Journal of Medical Genetics B*, 165(1) 77-83.
- 140 Uher R, Payne JL, Pavlova B, Perlis RH. (2014) Major depressive disorder in DSM-5: Implications for clinical practice and research of changes from DSM-IV. *Depression & Anxiety*,31(6): 459-471.
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**Book Chapters**

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**Web-pages and on-line tools**

- 2 Families Overcoming Risk and Building Opportunities for Well-being (FORBOW) project website [www.forbow.org](http://www.forbow.org)
- 1 Clinical significance calculator for biomarkers of antidepressant response: [www.depressiontools.org](http://www.depressiontools.org)



**Selected lectures and presentations**

- 56 Uher R. Families Overcoming Risks and Building Opportunities for Well-being. Conversations at the Royal (public lecture & live Facebook streaming). The Royal Mental Health Centre, Ottawa. March 23, 2017.
- 55 Uher R. Preventing Mental Illness. University of Calgary, March 21, 2017.
- 54 Uher R. Preventing Mental Illness. Djavad Mowafaghian Centre for Brain Health, University of British Columbia, Vancouver, March 20, 2017.
- 53 Uher R. Early identification of risk and intervention to pre-empt severe mental illness in youth. Social Genetic and Developmental Psychiatry Centre Seminar, King's College London, UK, November 9, 2016.
- 52 Uher R. Experience from a prevention trial within a cohort of youth at high risk of severe mental illness. Ethics of Trials Within Cohorts International Symposium, London, UK, November 7, 2016.
- 51 Uher R Recent Advances in Major Depressive Disorder, 16th Annual Conference of Mood & Anxiety Disorders, Kingston, ON, November 5, 2016.
- 50 Uher R. Skills for Wellness: an early intervention to pre-empt mood and psychotic disorders in non-treatment seeking high-risk youth. Early Interventions in Mental Health, International Early Psychosis Association (IEPA), Milan, October 21, 2016
- 49 Uher R. Preventing Mental Illness. Dalhousie Faculty of Medicine Graduate Student Mental Health Awareness Week, Halifax, September 30, 2016
- 48 Uher R, Bagnell A, Lovas D, Pavlova B: Developmental antecedents, early identification & prevention of mental illness in high risk youth. Symposium at the International Association for Child and Adolescent Psychiatry and Allied Professions (IACAPAP) conference, Calgary, September 21, 2016.
- 47 Uher R. Families Overcoming Risk and Building Opportunities for Well-being. Canadian College of Neuropsychopharmacology - Canadian Depression Research and Intervention Network joint annual conference, Halifax, NS, June 16, 2016.
- 46 Uher R. Will a genetic test help us select treatment for individuals with depression? Treatment Idea Selection Lab. University of Pennsylvania, Philadelphia, June 4, 2016.
- 45 Uher R. Combination of genetic risk and psychopathological antecedents as indication for pre-emptive early interventions. Society of Biological Psychiatry, Atlanta, May 13, 2016.
- 44 Uher R. Genes & Environment in the Development of Mental Health & Illness. Canadian Human & Statistical Genetics, Halifax, April 19, 2016
- 43 Uher R. Transdiagnostic antecedent-based strategy for early detection of individuals at risk of severe mental illness. A FORBOW study report. Uher R, Schizophrenia International research Society (SIRS), Florence, April 5, 2016.
- 42 Uher R. Anxiety and affective lability in youth at familial risk for major mood disorders. A FORBOW study report. Uher R, Anxiety and Depression Association of America (ADAA), Philadelphia, April 5, 2016.

- 41 Uher R. Identification of risk and early interventions to prevent major mood and psychotic disorders. University of Ottawa, The Royal, university rounds, February 10, 2016.
- 40 Uher R, Quilty L. Personalized indications for cognitive behavioural therapy and antidepressants in the treatment of major depressive disorder and persistent depressive disorder. CAN-BIND, University of Toronto, January 28, 2016.
- 39 Uher R: Developmental Antecedents to Major Mood Disorders and Sex-Specific Parent of Origin Effects in Transgenerational Transmission of Psychopathology. World Congress of Psychiatric Genetics, Toronto, October 19, 2015.
- 38 Uher R: Developmental psychopathology in offspring of parents with severe mental illness: Persistence of psychopathological antecedents to severe mental illness on follow-up. Canadian Academy of Child and Adolescent Psychiatry, October 4, 2015.
- 37 Uher R: Optimized antidepressant treatment outcome prediction with combinations of clinical variables and biomarkers. Canadian Psychiatric Association Conference, October 3, 2015.
- 36 Uher R: Antecedent psychopathology in offspring of parents with bipolar disorder and offspring of parents with major depressive disorder. International Society for Bipolar Disorders conference, Toronto, 6-June-2015.
- 35 Uher R: Developmental antecedents to severe mental illness and sex-specific parent of origin effects in transgenerational transmission of psychopathology. iPSYCH symposium, Aarhus, Denmark, 4-June-2015
- 34 Uher R: Phenotypes in High Risk Studies. iPSYCH symposium, Aarhus, Denmark, 3-June-2015
- 33 Uher R. Developmental psychopathology and risk of severe mental illness. The Molstad lecture. Saskatoon, SK, Canada. 17-April-2015.
- 32 Uher R. Developmental vulnerability to severe mental illness: genes, brain and psychopathology. Child Health Research Institute Seminar Series, University of Western Ontario, London, ON, Canada. 15-April-2015.
- 31 Uher R. Anxiety as a developmental antecedent to major mood disorders. Anxiety and Depression Association of Americas, Miami, FL, United States, 11-April-2015.
- 30 Uher R. Families Overcoming Risks and Building Opportunities for Well-being (FORBOW): Familial risk-enriched cohort testing early interventions to prevent severe mental illness. Trials Within Cohorts, symposium held at the University College London, UK, 10-November-2014
- 29 Uher R. David Mrazek Memorial Lecture: Genomic and clinical predictors of Therapeutic Response to Antidepressant Medication. National Network of Depression Centres (NNDC) Annual Conference, Chicago, IL, United States, 23-October-2014
- 28 Uher R. Transgenerational and developmental continuity of psychopathology: implications for early interventions to prevent severe mental illness. Canadian Psychiatric Association Annual Conference, Canada. 13-September-2014
- 27 Uher R. Clinical Significance: What does it mean when developing biomarker and clinical tests to predict treatment response in depression and schizophrenia. CINP, Vancouver, 26-June-2014
- 26 Uher R. Psychopathological antecedents in offspring of parents with major mood and psychotic disorders: the FORBOW study. Synapsy Symposium. University of Geneva. 16-May-2014

- 25 Uher R. Psychopathological and cognitive antecedents in offspring of parents with major mood or psychotic disorder: the FORBOW study. World Congress of Brain Emotions and Behavior, Montreal, 7-April-2014
- 24 Uher R. Genes, environment and psychopathological antecedents to severe mental illness. Annual Meeting of the Danish Psychiatric Association, Nyborg, 19-March-2014
- 23 Uher R. Genes, environment and psychopathological antecedents to severe mental illness. Psychology Colloquia Series, University of Western Ontario, London, ON, 14-March-2014
- 22 Uher R. Inflammatory biomarker predicts differential outcomes of depression treatment with escitalopram and nortriptyline. American College of Neuropsychopharmacology (ACNP) annual convention, Hollywood, FL, 9-December-2013
- 21 Uher R. Families Overcoming Risk and Building Opportunities for Well-being: Pre-emptive Early Interventions. Schizophrenia Society Nova Scotia conference, Halifax, NS, 15-November-2013
- 20 Genes and Environment in the Development of Mental Health and Illness: Introducing the FORBOW study. Atlantic Provinces Psychiatric Association Annual Convention, 14-June-2013
- 19 Uher R. Genes and environment in the development of mental health and illness. Seminar, Universite Laval, 26-April-2013
- 18 Uher R. Genes and Environment in the Development of Mental Health and Illness", public lecture, Brain Awareness Week, Dalhousie University, Halifax, 15-March-2013
- 17 Uher R. Can genome-wide pharmacogenetics predict response to antidepressant treatment for major depressive disorder? "NEWMEDS consortium of academic and industry-led studies", presented at the NCDEU meeting, Phoenix, Arizona, 1-June-2012
- 16 Uher R. Gender in depression: epidemiology, genetics and treatment", presented at the University of Zurich on 14-May-2012
- 15 Uher R. History, symptoms or biomarkers: what will help personalize treatment for major depressive disorder?, seminar, University of Geneva, 10-May-2012
- 14 Uher R. Combining genetic, epigenetic, transcriptomic and clinical data to personalize treatment for depression", Society of Biological Psychiatry convention, Philadelphia, 4-May-2012.
- 13 Uher R. Classification across the life course: recommendations of the ICD working group on mental and behavioural disorders in children and adolescents", presented at the European Psychiatric Association conference, 5-March-2012
- 12 Uher R: The Role of (Epi)Genetics in Personalizing Psychiatry, presented at the European Psychiatric Association, 4-March-2012
- 11 Uher R. Genetic determinants of response to treatment. Leopoldina Symposium, Bonn, Germany, 26-June-2010
- 10 Uher R. A genome-wide avenue towards prediction of individual responses to antidepressant and antipsychotic drugs. CINP, Hong Kong, 8-June-2010
- 9 Uher R. Genes-Environment Interplay: Clinical Implications. Copenhagen, Denmark; 2-May-2010.
- 8 Uher R. Gene-Environment Interactions in Psychiatry: State of Art and Future Directions. Mental Health Research Network, Bristol, 10-April-2010

- 7 Uher R. Nature, Nurture & Personalized Treatments for Mood Disorders, Dalhousie University, Halifax, Canada; 22-January-2010.
- 6 Uher R. Mood Disorders Across the Lifespan: Genomic determinants of antidepressant response, The GENDEP project, London, UK; 11-Dec-2009
- 5 Uher R. Comparative pharmacogenetics of serotonergic and noradrenergic antidepressants: a genome-wide analysis of the GENDEP sample. World Congress of Psychiatric Genetics, San Diego, CA, USA, 5-November-2009
- 4 Uher R. Gene-Environment Interactions in the Causation and Treatment of Mental Illness, Federation of the European Academies of Medicine (FEAM), Prague, 18-September-2009
- 3 Uher. Genes, environment and personalized treatment for depression. Center for Child and Family Policy symposium, Duke University, Durham, NC, USA, 18-May-2009
- 2 Uher R. Gene Environment Interactions. Annenberg Foundation Symposium, Philadelphia, PA, USA, 17-April-2009
- 1 Uher R. Gene-Environment Interactions: Overcoming methodological challenges. Novartis Foundation Symposium, Dunedin, NZ, 17-November-2007