WCPG

World Congress of Psychiatric Genetics

Psychiatric Genetics in a Diverse World

15-19 OCTOBER

SINGAPORE

PROGRAM BOOK

2024 WELCOME LETTER

Welcome to the 2024 World Congress of Psychiatric Genetics!

Dear Colleagues,

The International Society of Psychiatric Genetics (ISPG) warmly Welcomes you to the World Congress of Psychiatric Genetics (WCPG), October 15-19, 2024 in Singapore. These are exciting times in psychiatric genetics. With unprecedented data availability, thanks to international efforts, we are moving from gene-identification to understanding mechanisms of psychiatric disorders, allowing for a rethinking of psychiatric categorization and for new intervention approaches to be envisaged. The WCPG is the premier international scientific meeting for research in psychiatric genetics and related areas. Leading experts of genetics, neuroscience, and psychiatry from all over the world will be participating.

The theme of this year's WCPG is "Psychiatric Genetics in a Diverse World." This theme underscores our commitment to understanding the vast spectrum of psychiatric genetic research across different populations and cultures, in supporting excellence in research throughout the world and ensuring findings in psychiatric genetics benefit everyone.

We are so glad you are joining us!

Sincerely,

2024 ISPG WCPG Program Chairs
Dr. Hailiang Huang, Co-Chair
Dr. Naomi Wray, Co-Chair
Dr. Jian-Jun Liu, Co-Chair
Dr. Lin He, Co-Chair

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2024 WCPG CONGRESS CHAIRS

LIN HE, PH.D.

Lin He earned his PhD in Biochemistry from the University of Paisley and an MSc in Medical Genetics with a diploma in Basic Medicine from Dongnan University. He became a Professor at the Institutes of Biomedical Sciences, Fudan University, in 2007, serving as Dean until 2012. Since 2000, he has been a Professor at the Bio-X Institutes, Shanghai Jiao Tong University, and served as Director until 2022. He has also been a Professor at the Neuropsychiatric Laboratory, Institute for Nutritional Sciences, SIBS, Chinese Academy of Sciences, since 2004. His earlier roles include positions at the Shanghai Research Center of Biological Sciences and the Shanghai Institute of Physiology, as well as research and teaching roles in the UK and China.

HAILIANG HUANG, PH.D.

Dr. Huang is Assistant in Genetics in the Analytic and Translational Genetics Unit at Massachusetts General Hospital and Director of the Stanley Center Asia Initiatives at the Broad Institute of MIT and Harvard. He is also a faculty member in the Department of Medicine at Harvard Medical School.

Dr. Huang's research focuses on the genetics of complex disorders, especially autoimmune and psychiatric disorders. He is interested in developing new statistical and analytical methods, and use them to pinpoint and understand the genetic factors driving human complex disorders. His studies usually use large-scale omics data from various consortia and public available sources such as UK Biobank, NIH Roadmap, and GTEx.

Dr. Huang developed GWiS, a gene-based association test that has been used in many consortia to find genes associated with human complex disorders (Huang et al., PLoS Genetics, 2011). He is a member of the International Inflammatory Bowel Diseases Genetics Consortium (IIBDGC) and has co-led its recent fine-mapping effort to resolve known genetic associations to variants with high causal probabilities (Huang et al., Nature, 2017). He is also leading a workgroup in the Psychiatric Genomics Consortium (PGC) to build a large-scale Asian schizophrenia cohort and use this cohort to understand the genetic architecture of schizophrenia in the Asian populations. Dr Huang's other research interests include developing methods for testing rare variants with population stratification, investigating the connection between tissue-specific gene regulation and non-coding genetic associations, and understanding the genetic mechanisms underlying the spontaneous clearance of the hepatitis C virus.

Dr. Huang received cross-disciplinary training combining engineering, genetics and medicine. He earned his Ph.D. from the Department of Biomedical Engineering at the Johns Hopkins School of Medicine, supervised by Dr. Joel Bader. He completed his postdoctoral training with Dr. Mark Daly at MGH and the Broad Institute.

2024 WCPG CONGRESS CHAIRS

JIAN-JUN LIU, PH.D.

Prof. Jianjun Liu leads a lab focused on understanding the genetic basis of human disease inheritance and susceptibility, particularly in complex diseases. His research spans diverse phenotypes such as cancers, autoimmune diseases, neurological disorders, and more, primarily in Asian populations. His lab employs candidate gene-based and genome-wide association analyses to discover genetic variants influencing disease susceptibility and treatment outcomes. Prof. Liu also explores pharmacogenomics, identifying biomarkers for adverse drug reactions, and has expanded into population genomics with projects like SG10K. Additionally, his lab integrates EMR-based genomics and investigates genome-genome interactions. Prof. Liu has led and supported numerous national research programs in Singapore, contributing significantly to precision medicine and genetic research.

NAOMI WRAY, PH.D.

Dr. Wray is a Professor at the University of Queensland, Brisbane, Australia. I am an Australian National Health and Medical Research Council Leadership Fellow (i.e. the government pays my salary through a competitive award), a Fellow of the Australian Academy of Science and a Fellow of the Australian Academy of Health & Medical Sciences. My first career in livestock genetics (where the theory and power of polygenicity is demonstrable) has shaped my understanding of polygenicity of common disease. Now my research group focuses on development and application on new statistical methods to genetic and genomic data. I play an active role in the Psychiatric Genomics Consortium and have led some key papers. I am an international editorial advisor for JAMA Psychiatry and I am on the editorial board of Neuron.
I was elected to the board of ISPG in 2017 and in that capacity helped establish the Diversity plenary session at our annual conference and also the ISPG IDEA (Inclusion, Diversity, Equity, Access) committee. I was elected as secretary of ISPG in 2020.

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Diversity Panel PLENARY SPEAKERS

HENRIETTE RAVENTÓS, M.D., PH.D.

Henriette Raventós is a member of the ISPG Board of Directors and directs the University of Costa Rica neuropsychiatric genetics research group. During her career, she has advocated for underrepresented groups in science, aiming to increase global representation and reduce inequalities in psychiatric genetic research.

OFURE OKOH, PH.D. STUDENT

Ofure Okoh is a PhD student at the Max Planck Institute for Psychiatry, Munich. She is affiliated with the Max Planck School of Cognition, Leipzig, and the Ludwig Maximilians University Munich. In her current research, she seeks to elucidate the impact of risk variants on the SLC6A15 gene in a stress context using enhancer screening tools and cellular models. Her research aims to understand how distortions in the expression of this gene can lead to the emergence of psychiatric phenotypes like insomnia, including its connection to cognitive deficits. She serves as a communication and outreach liaison to the Africa Diversity group of the Psychiatric Genomics Consortium, a member of the Black in Neuro and ALBA Organizations. She hopes to use her work to establish an international scientific collaboration between Africa and other parts of the world, to improve the management of psychiatric disorders.

DIEGO LUIZ ROVARIS, B.SC., M.SC.

Diego is a Tenured Assistant Professor at the Institute of Biomedical Sciences, University of São Paulo (ICB-USP), Brazil. With over 13 years of experience in Molecular Psychiatry, his research focuses on ADHD and related phenotypes. He leads the Laboratory of Physiological Genomics of Mental Health at ICB-USP, investigating how environmental factors interact with genomics and epigenomics to affect the risk and progression of mental disorders with varying heritability, such as major depressive disorder and ADHD. Dr. Diego is the scientific head of the Brazilian Research Network on Adult ADHD and co-leads the ADHD working group of the Latin American Consortium (LAGC). He is the Principal Investigator of CONNECT-ADHD (comprehensive exploration of the CONNECTion between ADHD and educational attainment in contrasting environments), a project involved in the Ancestral Populations Network of the National Institute of Mental Health. Committed to promoting diversity, Dr. Diego aims to increase the representation of non-European individuals in genomics collaborations in psychiatry and to enhance the participation of scientists from low- and middle-income countries (LMICs) in relevant scientific forums.

Diversity Panel PLENARY SPEAKERS

AÏCHA DAHDOUH, PROF., A.P.

Dr. Aïcha Dahdouh is a professor of psychiatry in Algeria and head of the psychiatry-addictology department at the Faculty of Medicine in Oran, University Oran 1 Ahmed Benbella. Aïcha currently works in the department of Psychiatry and Neuroscience at GHU Paris F-75014, as an Associate Practitioner. Her past and present research focuses on the impact of social practices on the onset and development of mental disorders. Her doctoral thesis is in medical sciences, and it is entitled “Search for Genetic Variants of Schizophrenia and Bipolar Disorders in Consanguineous Families in Algeria". A number of particularly relevant genetic results have emerged from this work, and are currently in process of publication. Aïcha is currently working on addictions among young people in Algeria and associated factors: psychiatric comorbidities and social risk factors (violence against women, maternal depression, childhood abuse and trauma...). She collaborates with the PGC Africa working group on Psychosis and substance use disorders research projects in Africa.

WEIHUA YUE, M.D.

Weihua Yue, M.D. is a Professor of Psychiatry and the Deputy Director of Peking University Sixth Hospital & Institute of Mental Health; National Clinical Research Center for Mental Disorders (Peking University). Beijing, 100191, P.R. China She has been supported by the National Science Fund for Distinguished Young Scholars and Outstanding Young Scholars, National Key Research and Development Program, etc. Her group secured the Second Prize in Natural Science, awarded by the Ministry of Education. The group focuses on genetic research of schizophrenia. She has published representative articles in Nat Genet (2019, 2011), Lancet Psychiatry, Cell Discov, Mil Med Res, Mol Psychiatry, Biol Psychiatry, Psychiatry Clin Neurosci, and JAMA Netw Open to name a few.

SANJEEV JAIN, M.D.

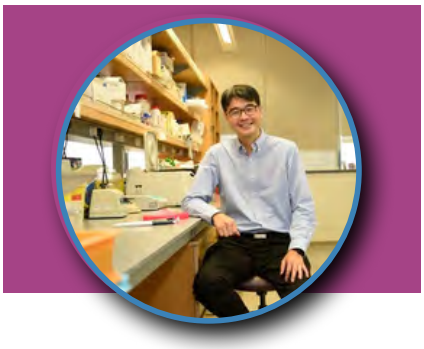
Dr. Sanjeev Jain is an Emeritus Professor at the Department of Psychiatry, Molecular Genetics Laboratory, National Institute of Mental Health and Neurosciences, Bangalore, India. His work has been enquiry into genetic mechanisms of psychoses; and the broader issues of the interfaces between psychopathology and biology. This work connects the clinic to the bench, using advanced cellular and molecular biology methods. As a lead investigator for the Accelerator program for Discovery in Brain disorders using Stem cells (ADBs), the lab created a repository of phenotype data from carefully and comprehensively assessed participants, detailed genetic information, and created iPSC and neuronal lines. This will enable researchers to explore the genetic contributions to these syndromes using family and population-based genetics research, and also interrogate the impact of this genetic variation. A Genetic Counselling and Testing Clinic (GCAT clinic) established by the lab provides molecular diagnostics for many syndromes (Huntington’s disease, ataxia, DMD etc.). His work thus looks at the epidemiology of rare variants, and their contributions to disease; as also population based analyses, with specific reference to India.

MICHAEL ZILLER, PH.D.

Dr. Ziller is Professor of Functional Genomics in Psychiatry in the Department of Mental Health at the University of Muenster, Germany. He is a trained physicist and bioinformatician and obtained Diploma degrees in both areas in 2010 from the University of Tuebingen, Germany. He pursued his doctoral work at the Department of Stem Cell Biology and Regenerative Medicine at Harvard University, receiving his PhD in 2014. From 2016-2021, he was a Principal Investigator at the Max-Planck-Institute of Psychiatry, Germany before being appointed full Professor in Muenster. His work is focused on understanding the molecular and cellular basis of psychiatric disorders that arises from the complex interplay of common and rare genetic risk factors. To this end, his group combines statistical genetic approaches, induced pluripotent stem cell based personalized disease models, functional genomics and high-content screening paradigms. Ultimately, his group seeks to disentangle the complex genotype-phenotype relationships in psychiatric disorders by integrating new genetic risk-scores with cellular in vitro based endophenotypes to bridge the scales and link them to patient level intermediate phenotypes.

JIAN YANG, D.PHIL.

Jian Yang is a Professor of Statistical Genetics at the School of Life Sciences, Westlake University, China. He received his PhD in 2008 from Zhejiang University, China, before undertaking postdoctoral research at the QIMR Berghofer Medical Research Institute in Australia (2008-2011). He moved to The University of Queensland (UQ), Australia, as a Research Fellow in 2012 and was reappointed as a Senior Research Fellow and Group Leader in January 2014. He was promoted to be an Associate Professor in December 2014, and then a Professor in January 2017 at UQ. He joined Westlake University in 2020. His primary research interests are focused on understanding the genomic variations among individuals within and between populations and the links of DNA variations and modifications to phenotypes and diseases. He was the 2012 recipient of the Centenary Institute Lawrence Creative Prize, in recognition of his contribution to solving the 'missing heritability' paradox. He was awarded the Australian Academy of Science Ruth Stephens Gani Medal for distinguished research in human genetics (2015) and the Prime Minister's Prize for Sciences - Frank Fenner Prize for Life Scientist of the Year (2017). He was named in the Clarivate Highly Cited Researchers in six consecutive years from 2018 to 2023. He has published a career total of >240 papers, which have received >100,000 citations (Google Scholar, Sep 2024).



SHAWN JE, PH.D.

Dr. Shawn Je is currently a tenured Associate Professor in the Neuroscience and Behavioral Disorders Program at Duke-NUS Medical School in Singapore and Director of the SingHealth Advanced Imaging Centre. He received his B.S. from KAIST, M.S. from the University of Michigan, Ann Arbor, and his Ph.D. in Neuroscience and Genetics from the National Institutes of Health (NIH) Graduate Partnership Program through the George Washington University Medical School. He then completed a Howard Hughes Medical Institute (HHMI)/ Duke University Medical School postdoctoral fellowship. He joined the Duke-NUS Medical School as an Assistant Professor in late 2010 and received his tenure in 2017. He received the Scientist of the Year Award from Ministry of Science and ICT, Korea. His research focuses on the molecular and cellular mechanisms underlying neurological and psychiatric disorders.

ANDREW MCINTOSH, M.D.

Andrew McIntosh is a Professor of Psychiatry at the Centre for Clinical Brain Sciences, University of Edinburgh and a consultant psychiatrist working in the NHS. He co-chairs the Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium (PGC) and is the director of the newly funded UK Mental Health Platform, an initiative to promote data sharing, collaboration and the involvement of both industry and people with lived experience in research. His research focussed on identifying the causes and consequences of depression using genomic approaches and by linking to large and routinely collected health datasets.

JEHANNINE AUSTIN, M.D.

Dr. Jehannine Austin is a Professor in Psychiatry & Medical Genetics at the University of British Columbia. Jehannine is a board certified genetic counsellor, and their research work involves studying how to improve access to genetics services for people who have historically been marginalized, and working to ensure that those services are safe and effective. They founded the world's first specialist psychiatric genetic counselling service (which won an award for its impact on patient outcomes), and in addition to peer-reviewed publications, has written a book, and won awards for teaching, leadership, and research. Jehannine is a Fellow of the Canadian Academy of Health Sciences, Editor in Chief of the Journal of Genetic Counseling and President Elect of ISPG.

BRENDA PENNINX, PH.D.

Brenda Penninx is Professor in Psychiatric Epidemiology at the Department of Psychiatry of the Amsterdam UMC, Vrije Universiteit in the Netherlands. Her focus is on cross-disciplinary depression research which integrates psychiatry, psychology, neuroimaging, genomics, psychoneuroendocrinology, sociology and behavioural medicine. She founded the multi-site, longitudinal Netherlands Study of Depression and Anxiety (www.nesda.nl), an invaluable research resource for psychiatry which data have been used in >100 PhD-theses and >900 publications. Her work is exemplary in transforming and enhancing the value of longitudinal cohort studies to better understand the multi-nature origin and longitudinal trajectories of stress-related disorders. Penninx uses cohort data to better understand the role of (interactions between) psychosocial, neurobiological and genetic factors in the etiology and course of depression disorder, and to disentangle the large heterogeneity of depressive disorder. For this, she integrates big-data 'omics' including genomics in her studies. Her research is funded through various national, EU- and NIH-grants, and she has supervised over 70 PhD students in obtaining their PhD-degree. In 2016, Penninx was elected member of the Royal Dutch Academy of Sciences and Arts, of which she currently serves as vice-President.

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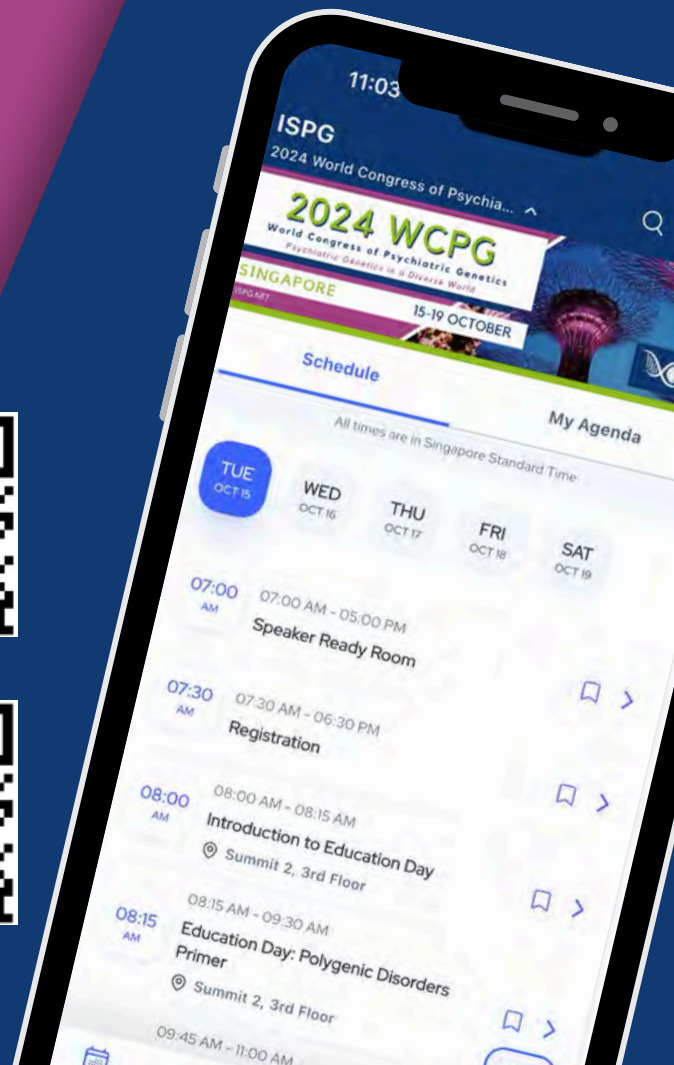

MING TSUANG LIFETIME ACHIEVEMENT AWARD

DR. ANITA THAPAR

Anita is a clinical academic child and adolescent psychiatrist at Cardiff University. She trained in Medicine in Cardiff and then undertook postgraduate clinical training in Psychiatry and Child and Adolescent Psychiatry in South Wales.

Her interest in genetics was stimulated by the late Peter McGuffin and his wife Anne Farmer, also a clinical academic. Peter became head of Psychiatry and created the initial Cardiff group in psychiatric genetics, recruiting Mike Owen as well as Michael O'Donovan and Nick Craddock. Anita, as a child and adolescent psychiatrist did an MRC funded clinical training PhD fellowship on twin studies of childhood psychopathology. At that time, genetics was not considered as relevant by most clinicians in child and adolescent psychiatry. She set up a twin register and conducted a series of twin studies examining youth depression, anxiety, ADHD, comorbidities and life events.

Following her PhD, she moved to Manchester University and together with colleagues in Cardiff conducted molecular genetic studies of ADHD. Her interest was fueled by clinical work where she saw many families with ADHD and also because her PhD findings highlighted ADHD as especially heritable. She returned to Cardiff in 1999 to become the first Professor in Child and Adolescent Psychiatry in Wales.

As well as doing an early (of course underpowered) GWAS of ADHD, she and the Cardiff team observed enrichment of CNVs in ADHD that overlapped with Autism. At that time the findings implicating genetics in ADHD etiology was considered controversial by many.

Since then her research has focused more on population-based cohort studies of children and youth and spanned research on the genetics and long-term development of ADHD, depression and other youth psychopathology. Her research has always focused on questions that might be clinically important.

For example, the clinical and genetic/biological overlaps between ADHD and ASD and across neurodevelopmental disorders persuaded her to push for Wales to develop child neurodevelopmental (rather than ADHD, ASD separately) services.

Her current genetics research focuses primarily on youth depression through the £10 million Wolfson Award for a Centre in Youth Mental Health in Cardiff. Since 2015, she has been the lead editor (together with Dr. Daniel S. Pine, NIMH) of the authoritative international textbook Rutter's Textbook of Child and Adolescent Psychiatry. Anita was awarded a CBE (Queen's honor) for services to Child and Adolescent Psychiatry in 2017, the President's Medal from the Royal College of Psychiatrists in 2015 for contributions to policy, public knowledge, education and meeting population and patient care needs and the Ruane Prize 2015 from the Brain and Behavior Research Foundation, USA for outstanding Child & Adolescent Psychiatric research. She has served on Welsh Government Child and Adolescent Mental Health Policy groups and is also on the Ministerial Advisory Group for neurodiversity. She a board member of Trustees for the UK Charity ADHD Foundation and recently been appointed as co-chair of an NHS England ADHD Taskforce.

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AWARD WINNERS

THEODORE REICH EARLY CAREER AWARD

DR. NA CAI

Dr Na Cai is a Principal Investigator at the Helmholtz Pioneer Campus in Helmholtz Munich, and an associated faculty at the Technical University of Munich School of Medicine and Health. She received her BA in Natural Sciences Tripos (Biological) from Cambridge University in 2011, and her DPhil from the Nuffield Department of Clinical Medicine and Wellcome Trust Centre for Human Genetics in University of Oxford in 2016. Na's research focuses on understanding how genetic variants contribute to the heterogeneous etiologies of psychiatric disorders, in particular Major Depressive Disorder (MDD), either directly or in interaction with physiological and external environments. In particular, her lab uses statistical genetics methods as tools to assess the validity of psychiatric disorder phenotypes from large-scale genomic datasets, drawing attention to the importance of distinguishing and identifying specific genetic contributions to different disorder definitions and characteristics. To this end, she leads the heterogeneity subgroup of the PGC-MDD working group, and is an active member of the PGC Cross Disorder (CDX) Working Group and the schizophrenia (SCZ) working group diagnostic committee. In addition to finding statistical associations, Na's lab aims to use bulk tissue, single-cell and spatial omics data from both human subjects and mouse models to elucidate the molecular pathways, tissue specificity, physiological context and environmental modulators of neuronal function that may contribute to psychiatric disorders.

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GERSHON PAPER OF THE YEAR AWARD

"Multivariate genome-wide association meta-analysis of over one million subjects identifies loci underlying multiple substance use disorders"

DR. RODRIGO R. R. DUARTE

Dr. Rodrigo R. R. Duarte is a Research Fellow at the Institute of Psychiatry, Psychology & Neuroscience at King's College London. He earned his MSc in Molecular Biology and Biochemistry from the University of São Paulo in 2012 and his PhD in Neuroscience from King's College London in 2017. Dr. Duarte's research focuses on elucidating the polygenic architecture underlying complex neuropsychiatric conditions, with a particular emphasis on the role of ancient viral DNA. Utilizing statistical genetics and omic approaches, he aims to translate findings from large genetic association studies into a deeper understanding of risk mechanisms for neuropsychiatric disorders, with the ultimate goal of identifying potential drug targets or biomarkers.

This manuscript is the result of a cross-disciplinary collaboration spanning genetics, neuroscience, bioinformatics, and virology, led by Dr. Duarte and Dr. Timothy Powell from King's College London, and Prof. Douglas Nixon from Northwell Health. The authors hope that their research will transform our understanding of the role ancient viral DNA plays in the human genome and their importance in medical conditions. They extend their gratitude to the CommonMind Consortium and the Psychiatric Genomics Consortium for their invaluable data contributions that made this research possible.

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RICHARD TODD AWARD

DR. ELISE ROBINSON

Elise Robinson is a faculty member in the Center for Genomic Medicine and Department of Psychiatry at Massachusetts General Hospital and an institute member of the Broad Institute of MIT and Harvard. She is also an affiliated faculty member with the Department of Epidemiology at the Harvard T.H. Chan School of Public Health and the Analytic and Translational Genetics Unit at Massachusetts General Hospital.

Robinson's research focuses on the genetic influences on behavior and cognition. She is interested in using genetic data to understand the biology of neurodevelopmental variation, and to study differences within and between neuropsychiatric disorders. She co-chairs the Autism Working Group of the Psychiatric Genomics Consortium, the NeuroDevelopmental Variability Initiative (NDV) at the Broad Institute, and the NeuroDev project.

The Robinson lab uses techniques from statistical genetics and epidemiology to study common and rare genetic risk factors for severe neuropsychiatric disorders, and develops quantitative approaches for examining their human behavioral and cellular associations.

Robinson received a Sc.D. in psychiatric epidemiology from the Harvard School of Public Health, and completed postdoctoral training in statistical genetics at MGH and the Broad Institute.

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HUGH GURLING FINALISTS

Cong Han, Central South University, Genetic Regulation of the Gene Expression in Fetal and Adult Brains Explains GWAS Signals From the East Asian Population

Jingjing Zhao, School of Psychology, Shaanxi Normal University, How "Dyslexia Genes" Influence Brain Structure and Connectivity

Zhewei Kang, Peking University Sixth Hospital, Peking University Institute of Mental Health, NHC Key Laboratory of Mental Health, National Clinical Research Center for Mental Disorders, Associations of Polygenic Risks for Schizophrenia, Bipolar Disorder, and Depression With Symptom Dimensions and Treatment Outcomes in Schizophrenia

Yundan Liao, Peking University Sixth Hospital, Broad Institute of MIT and Harvard, Integrating Multi-Omics Data to Decode the Heterogeneity in Antidepressant Response

Huihui Yang, Central South University, Genetic Control of Stage-Dependent Alternative Polyadenylation Events in Human Prefrontal Cortex: Implications for Neuropsychiatric Disorders Research

Zhe Lu, Peking University Sixth Hospital, ITIH2 Polymorphisms Associated With Antipsychotic-Induced Hyperprolactinemia in Patients With Schizophrenia: A Genome-Wide Association Study

Pranshu Sachdeva, National Institute of Mental Health and Neurosciences, Assessing the Impact of Genomic Copy Number Variants on Bipolar Disorder and Obsessive - Compulsive Disorder in the Indian Population

Shishi Min, Xiangya Hospital, Central South University, National Clinical Research Center for Geriatric Disorders, Whole-Genome DNA Methylation Sequencing in Blood Identifies Differential Methylation in Parkinson's Disease in the Chinese Han Population

Megan Campbell, University of Cape Town, Predictors of Suicide Behaviour in a Large-Scale African Cohort

Itunuoluwa Isewon, Covenant University, Development of Psychiatric Genomics Research in Africa: A Systematic Literature Review

TRAVEL AWARD WINNERS

Clara Albiñana
Exploring the Genetic Association Between Multi-Omic Traits and Psychiatric Diagnosis, Prognosis and Treatment Response

Cibele Edom Bandeira
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Tsaone Chalumbila
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Kai-Yuan Cheng
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Susan Kuo
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Severine Lannoy
The Roles of Aggregate Genetic Liability and Early Adversity in Risk for Suicidal Thought and Behavior

Wenqianglong Li
Polygenic Risks for Alcohol Consumption, Alcohol Use Disorder, and Brain Volumes in Low Risk Drinking Individuals From UK Biobank

EARLY CAREER INVESTIGATOR PROGRAM

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Polygenic Risks for Alcohol Consumption, Alcohol Use Disorder, and Brain Volumes in Low Risk Drinking Individuals From UK Biobank

ECIP ORAL FINALISTS

Julia Sealock, Massachusetts General Hospital, Advancing Schizophrenia Gene Discovery Through Rare Variant Association Using Over 152,000 Diverse Samples

Nicholas Green, Indiana University School of Medicine, Integrated Single-Cell Multiomic Profiling of Caudate Nucleus Suggests Key Mechanisms in Alcohol Use Disorder

Juan De la Hoz, Massachusetts General Hospital, Genetic Characterization of Clinical Trajectories in Major Depressive Disorder

Calwing Liao, The Broad Institute of MIT and Harvard, Rare Coding Variation Across 149,356 Individuals Identifies Over 20 Novel Genes Associated With Bipolar Disorder

Carina Seah, Icahn School of Medicine at Mount Sinai, Stress Exposure Dynamically Regulates EQTL Activity in the Post-Mortem Brain and in HIPSC-Derived Neurons

Richard Dear, University of Cambridge, Schizophrenia Genetic Risk and Cell-Specific Differential Expression are Linked to Gene Regulatory Networks for cell Maturation That Pattern the Transcriptional Architecture of the Human Cortex

Philippe Jawinski, Humboldt-Universität zu Berlin, Genome-Wide Analysis of Brain age Identifies 59 Associated Loci and Unveils Relationships With Mental and Physical Health

Ajay Nadig, Broad Institute, How Much do Rare de Novo Variants Contribute to Autism?

Lerato Majara, Stanley Center for Psychiatric Research, Broad Institute of Harvard and MIT, Genome Wide Association Study of Schizophrenia in the Neuropsychiatric Genetics in African Population-Psychosis (NeuroGAP-Psychosis) Study

Michelle Kamp, QIMR Berghofer Medical Research Institute, Genome-Wide Association Meta-Analyses of Panic Disorder and Panic Attacks in > 277,970 Individuals Identifies First Genetic Risk Loci

Eleni Friligkou, Institute of Biological Psychiatry, Mental Health Centre Sct. Hans Hospital, Mental Health Services in Capital Region of Denmark, Period and age Effects in the Genetic Etiology of ADHD and ASD

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Sowmya Narayan, Max Planck Institute for Psychiatry, Characterizing Sex-Specific Effects of Early Life Adversity on the Adulthood Brain Transcriptome Using a Translational Mouse Model

Rodrigo R R Duarte, King's College London, Human Endogenous Retroviruses and Long Interspersed Nuclear Elements-1 Linked to Major Psychiatric Conditions

Marijn Schipper, Vrije Universiteit Amsterdam, FLAMES: Accurate Causal Gene Prioritization in Psychiatric GWAS Loci

Helena Davies, Psykiatrisk Center Ballerup, Copenhagen & Institute of Biological Psychiatry, Identifying Diseases Associated With the Genetics of Anorexia Nervosa and Binge Eating in the UK Biobank

Nadine Parker, University of Oslo, Leveraging the Genetics of Major Psychiatric Disorders to Prioritize Potential Drug Therapies and Targets

Shoat Mizuno, Riken Center for Brain Science, De Novo Promoter Variants Contribute to Autism Spectrum Disorder Risk via Topologically Associating Domains

Hayley French, Karolinska Institutet, Searching for Schizophrenia Biology: Overlap Analysis of Cell Type-Specific Phenotypes in Copy Number Variant Mouse Models

Mihael Cudic, Massachusetts General Hospital, Polygenic Scores Across Environmental Contexts: How Intersectionality Affects Predictive Accuracy for Psychiatric Conditions

Ying Xiong, Karolinska Institute, Psychiatric and Cardiometabolic Comorbidities of Treatment-Resistant Depression

Pranshu Sachdeva, National Institute of Mental Health and Neurosciences, Assessing the Impact of Genomic Copy Number Variants on Bipolar Disorder and Obsessive - Compulsive Disorder in the Indian Population

Shishi Min, Xiangya Hospital, Central South University, National Clinical Research Center for Geriatric Disorders, Whole-Genome DNA Methylation Sequencing in Blood Identifies Differential Methylation in Parkinson's Disease in the Chinese Han Population

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