

WCPG

WORLD CONGRESS OF PSYCHIATRIC GENETICS

OCTOBER 10-14, 2023

Montreal, Canada

Putting People First in Psychiatric Genetics

PROGRAM BOOK

2023 WELCOME LETTER

Welcome to the 2023 World Congress of Psychiatric Genetics!

Dear Colleagues,

The International Society of Psychiatric Genetics (ISPG) warmly invites you to attend the World Congress of Psychiatric Genetics (WCPG), October 10-14, 2023 in Montreal, Canada. 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 "*Putting People First in Psychiatric Genetics.*" With this motto, we want to give attention to the importance of the people in our field - scientists, researchers, practitioners, and patients. We hope to highlight ISPG's strategic focus on diversity, inclusion, and equity through focusing on the personal aspect of our field as well as the scientific.

We look forward to seeing you in Montreal!

Sincerely,

2023 ISPG WCPG Program Chairs

Dr. Jehannine Austin, Co-Chair

Dr. Laura Huckins, Co-Chair

Dr. Gustavo Turecki, Co-Chair

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2023 WCPG CONGRESS CHAIRS

JEHANNINE AUSTIN, PH.D.

Dr. Jehannine Austin is Executive director of the BC Mental Health and Substance Use Services Research Institute, and 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 the impact of genetic counselling for people with psychiatric disorders and their families. They live with depression, anxiety and nightmare disorder, and founded the world's first specialist psychiatric genetic counselling service to help people with similar issues. The clinic Jehannine founded has won an award for its impact on patient outcomes, and in addition to peer-reviewed publications, they have written a book, and won awards for teaching, leadership, and research. Jehannine is a member of the College of the Royal Society of Canada, and a Fellow of the Canadian Academy of Health Sciences.



LAURA HUCKINS, PH.D.

Dr. Laura Huckins is an Associate Professor in the Department of Psychiatry. She received her masters in BioEngineering from Imperial College London in 2011, and her PhD in Molecular Biology and Psychiatric Genetics from the University of Cambridge in 2015. Her research focuses primarily on studying psychiatric disorders, with an emphasis on eating disorders and PTSD, as well as the development and application of multi-omic methods to interpret the functional consequences of GWAS variants. Her lab focuses particularly on Eating Disorders and PTSD; to this end, she is co-chair of the PGC Eating Disorders working group. Dr. Huckins' work is funded by the Klarman Family Foundation, the National Institute of Mental Health, and the National Institute of Environmental Health Sciences.



2023 WCPG CONGRESS CHAIRS



GUSTAVO TURECKI, M.D., PH.D.

Attempted and completed suicides are major problems in our society, making the understanding, prevention, and treatment of suicidal behaviors a top priority. Individuals who suffer from major depression are especially at risk. Dr. Turecki conducts studies to better understand the characteristics of these individuals, focusing on early development, personality traits and neurobiological factors, with particular attention to how the environment interacts with the genome to increase risk. Dr. Turecki's studies address questions such as: "Why do some people who become depressed commit suicide while others who have the same illness do not?" At a molecular level, he is involved with investigating the role of epigenetic risk factors, and particularly, how life experience changes gene function and increases risk for suicidal behavior. Dr. Turecki is the director of the McGill Group for Suicide Studies (MGSS), a center comprising eight independent investigators and carrying out multidisciplinary studies on suicide, including the study of biological, behavioral, clinical and psychosocial risk factors for suicide. The MGSS manages the Quebec Suicide Brain Bank, which provides tissue for postmortem work on suicide and mental illnesses. Dr. Turecki is also the Head of the Depressive Disorders Program, a superspecialized service for children and adults who are suffering from major depression and/or severe forms of other depressive disorders. It offers cutting-edge treatment for depressed patients and develops knowledge on major depression, its risk factors, and treatments, by conducting research projects that are integrated into the clinical practice. Dr. Turecki has several administrative responsibilities. He is the vice-chair of research and academic affairs of the department of psychiatry, McGill University and is the director of the RQRS (Réseau québécois de recherche sur le suicide). He is also the president of the International Academy of Suicide Research.

2023 WCPG PROGRAM COMMITTEE

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Naomi Wray

Thank you

2023 ECIP COMMITTEE

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HARNESSING THE TRANSFORMATIVE POWER OF GENOMICS
LES SOLUTIONS SONT DANS LES GÈNES



PARTNERSHIPS MAKE BC GROW

Life sciences are a robust economic engine for the province.

Genomics technologies have revolutionized sectors such as healthcare, agriculture and forestry, significantly driving BC's economic growth.

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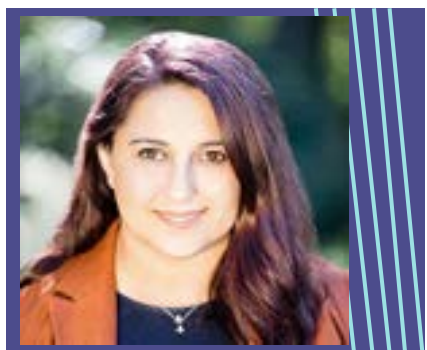
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PANOS ROUSSOS, M.D., PH.D.

Panos Roussos is a Professor of Psychiatry and Genetics and Genomic Sciences at the Icahn School of Medicine at Mount Sinai and Director of the Center for Disease Neurogenomics. He is a VA/MIRECC Research Physician at the James J. Peters VA Medical Center. He received his medical and doctorate degrees from the University of Crete in Greece and he completed his residency in Psychiatry (research track) at Icahn School of Medicine at Mount Sinai. His research focuses on the utilization of neurogenomics and informatics to promote precision psychiatry.



GAMZE GÜRSOY, PHD,

Gamze Gürsoy, PhD, is a Core Faculty Member at the New York Genome Center. She holds a joint appointment as Assistant Professor in the Departments of Biomedical Informatics and Computer Science at Columbia University. Dr. Gürsoy's lab's overarching research goal is to harmonize diverse fields such as biology, bioinformatics, molecular biology, engineering, and cryptography to achieve two fundamental aims: (1) to increase biomedical data access to a wider group of scientists while preserving privacy of research participants; and (2) to uncover the molecular underpinnings of gene dysregulation via knowledge gained from functional genomics data. They create modular and privacy-enhancing omics and clinical data analysis tools, which can be adapted to new data

modalities and analysis needs as they arise, by combining knowledge in molecular biology and applied cryptography. They also develop computational and biochemical technologies to pinpoint genetic and epigenetic determinants of chromatin organization. Dr. Gürsoy leads a group of computational and experimental scientists, creating opportunities for training in cross-disciplinary studies in her lab. Dr. Gürsoy's work has been recognized with many honors, most recently a 2022 NIGMS Maximizing Investigators' Research Award, a 2020 NHGRI Pathway to Independence Award, a 2018 NIH/IBM Big Data to Knowledge Young Investigator Award, and a 2017 University of Illinois Outstanding Dissertation Award. She led teams to win first and third place in NHGRI iDASH Secure Genome Analysis Competition in 2018 and 2019, respectively. She is also recognized by her contributions to diversity, equity, and inclusion in STEM and selected as one of the inaugural Intersections Science Fellows in 2021. Dr. Gürsoy joined the NYGC from Yale University, where she was a Postdoctoral Research Associate in the Molecular Biophysics & Biochemistry Department. During her postdoctoral training with Dr. Mark Gerstein, she specialized in genome privacy and functional genomics; and received training in biochemistry and genome engineering in Dr. Andrew Miranker's lab. Dr. Gürsoy obtained her PhD in Bioinformatics from University of Illinois at Chicago, where she studied the role of 3D genome organization on the function of the genome. Before her graduate studies, she was trained as a chemical engineer with a focus in bioengineering.



CARLOS BUSTAMANTE, PH.D.

Dr. Carlos D. Bustamante is CEO and Founder of Galatea Bio, Inc., a genomics company focused on delivering Precision Health at Scale for All and adjunct (former tenured full) Professor of Genetics and Biomedical Data Science at Stanford University. He is one of the world's foremost thought leaders in population genetics and genomics and has lead teams at the interface of genomics and data science solving important problem in healthcare, agriculture, and anthropology. He received his PhD in Biology and MS in Statistics from Harvard University (2001) was a postdoctoral scholar at University of Oxford (2001) and was on the faculty at Cornell University (2002-9) and Stanford University School of Medicine (2010-2022). Throughout the trajectory of his career, he's held roles in academia and business including founder and principal of multiple startups, a consulting business, Venture Partner at F-Prime Capital, SAB member with over a dozen startups, and advisor to the US Federal Government on multiple assignments.. Dr. Bustamante was also awarded a MacArthur Fellowship in 2010 for his contributions to population genetics (mining DNA sequence data to address fundamental questions about mechanisms of evolution, origins of human genetic diversity, and patterns of population migration).



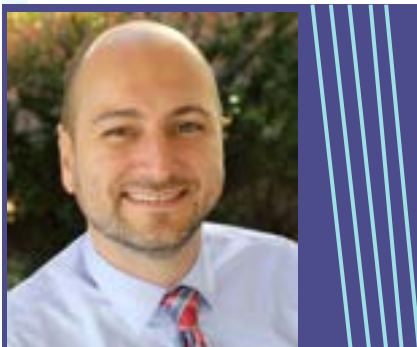
DANIELLE M. DICK, PH.D

Danielle M. Dick, Ph.D. is a tenured Professor of Psychiatry at Rutgers Robert Wood Johnson Medical School, where she serves as the inaugural director of the Rutgers Addiction Research Center at the Brain Health Institute and holds the Greg Brown Endowed Chair in Neuroscience. She received her Ph.D. in Psychology in 2001 from Indiana University and subsequently completed a postdoctoral fellowship in the Department of Medical and Molecular Genetics. She was on the faculty at Washington University, St. Louis from 2003 – 2007, and Virginia Commonwealth University from 2007 – 2022, before joining Rutgers University. Her research involves studying how genetic predispositions interact with environmental factors to contribute to patterns of substance use and related behavioral disorders across development. She has served as the Principal Investigator (PI) or site PI on 15 National Institutes of Health (NIH) grants, and Co-Investigator on another 9 NIH grants, with grant funding totaling >55 million dollars. She has >400 peer-reviewed publications, and has won numerous national and international awards, including the Richard Todd Award in Child Psychiatry and Ted Reich Young Investigator Award from WCPG. She has been named as one of the top 1.5% most highly cited researchers in the world across all fields of science. She is also passionate about bringing research to the public in ways that are engaging and accessible; her first book “The Child Code: Understanding your child’s unique nature for happier, more effective parenting” is out now from Penguin Random House.



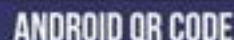
ALIZA WINGO, M.D.

Dr. Aliza Wingo is an Associate Professor of Psychiatry at Emory University. She obtained her B.S. in chemistry from the University of California, Irvine, and her M.D. from Emory University School of Medicine. Following her medical training, Dr. Wingo pursued a post-doctoral research fellowship in genetics and functional genomics. In her clinic, Dr. Wingo often encounters patients with multiple comorbid psychiatric conditions. This sparked her interest in exploring the interconnections among the psychiatric disorders using a multifaceted approach involving phenotypic, genetic, and molecular investigation. Her recent research, which was published in leading journals such as *Nature Communications*, *Nature Neuroscience*, and *Nature Genetics*, has focused on genetic and brain omics data to uncover distinct and shared risk genes and biological pathways among psychiatric and neurodegenerative diseases. Ultimately, her work aims to deepen our understanding of the mechanisms underlying these neuropsychiatric disorders and pave the way for developing novel therapeutic.



DANIEL MORENO DE LUCA, M.D., M.SC.

Dr. Moreno De Luca is an Associate Professor, the Principal Investigator of the Precision Medicine in Autism (PRISMA) group, and the inaugural CASA Research Chair at the University of Alberta, Alberta Health Services and CASA Mental Health. He completed his MD at the Universidad Industrial de Santander in Bucaramanga, Colombia, followed by a Master's in neuroscience at the Université Pierre et Marie Curie, Sorbonne Universités in Paris, France. He then moved to the USA for a Postdoctoral Fellowship in Neurogenetics at Emory University, followed by Psychiatry Residency at Yale University, a Fellowship in Bioethics at Harvard Medical School, and his Child and Adolescent Psychiatry Fellowship at Brown University, where he remained until this past winter. There, following input from the community he serves, he launched a comprehensive program around autism and other neurodevelopmental conditions, which included the creation of two clinical services in Psychiatric Genetic Counseling and Genomic Psychiatry, an autism subspecialty track as part of education within the Child and Adolescent Psychiatry Fellowship, the establishment of the Autism Clinical Network that brought together the clinical and patient community, and the launch of his research efforts in rare genetic variation and its potential to enhance patient care. Aiming to grow the scope and reach of these initiatives, he accepted a position as the Inaugural CASA Research Chair, bringing along the PRISMA group to the University of Alberta to continue advancing genomically-oriented clinical care, education, and research alongside with the autism and neurodevelopmental community.



MING TSUANG LIFETIME ACHIEVEMENT AWARD

DR. CYNTHIA M. BULIK



Clinical psychologist Cynthia M. Bulik, Ph.D., FAED is the Founding Director of the University of North Carolina Center of Excellence for Eating Disorders, Distinguished Professor of Eating Disorders in the School of Medicine at the University of North Carolina at Chapel Hill, and Professor of Nutrition in the Gillings School of Global Public Health. She is also Professor in the Department of Medical Epidemiology and Biostatistics and Director of the Centre for Eating Disorders Innovation at Karolinska Institutet in Stockholm, Sweden. She leads global eating disorder genetics initiatives and develops, evaluates, and disseminates evidence-based treatments for eating disorders. Dr. Bulik has been the recipient of numerous awards including the Eating Disorders Coalition Research Award, the Academy for Eating Disorders Leadership Awards for Research and Advocacy, the Price Family National Eating Disorders Association Research Award, and Lifetime Achievement Awards from both the National Eating Disorders Association and the Academy for Eating Disorders.

She has published over 700 peer-reviewed papers, 60 chapters, and 7 books related to eating disorders. Between 1991-1996 she was Lecturer and Senior Lecturer in the Department of Psychology at the University of Canterbury and is currently Honorary Professor in the Department of Psychological Medicine at the University of Otago, Christchurch School of Medicine. She is the global lead principal investigator of the Eating Disorders Genetics Initiative (EDGI).

Prof. Bulik is past president of the Academy for Eating Disorders, past Vice-President of the Eating Disorders Coalition, and past Associate Editor of the International Journal of Eating Disorders. She serves on advisory boards of several advocacy organizations and is founder and co-chair of the Eating Disorders Working Group of the Psychiatric Genomics Consortium. See <http://cynthiabulik.com>.

THEODORE REICH EARLY CAREER AWARD

DR. LAURA HUCKINS



Dr. Laura Huckins is an Associate Professor in the Department of Psychiatry. She received her masters in BioEngineering from Imperial College London in 2011, and her PhD in Molecular Biology and Psychiatric Genetics from the University of Cambridge in 2015.

Her research focuses primarily on studying psychiatric disorders, as well as development and application of multi-omic methods to interpret the functional consequences of GWAS variants and to study how genetics and environment interact. Her lab focuses particularly on Eating Disorders and PTSD; to this end, she is co-chair of the PGC Eating Disorders working group. Dr. Huckins' work is funded by the Klarman Family Foundation, the National Institute of Mental Health, and the National Institute of Environmental Health Sciences.

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. ALEXANDER S. HATOUM

Alexander S. Hatoum is a Research Assistant Professor at Washington University and is affiliated with the departments of Psychological & Brain sciences and the Artificial Intelligence and the Internet of Things in Medicine (AIM) Institute. His research focuses on biostatistical and psychometric algorithms to predict addiction severity and treatment, with particular focus on drug repositioning for addiction and psychiatric heterogeneity.

Alexander's work has appeared in prominent outlets in our field including Nature, Biological Psychiatry, Jama Psychiatry, Lancet Psychiatry, Nature Reviews Neuroscience, among others.

Beyond the academic halls, Alexander's work has been used to advise U.S. government interest on predictive machine learning algorithms for Opioid Use Disorder. He feels incredibly fortunate to have worked in the supportive psychiatric genomics consortium substance use disorders working group throughout the process of producing this paper and he would like to thank the consortium members whose continued support led to this achievement. He would also like to thank his network of coauthors and recognize the foundational work many of them have done in the field that made this paper possible. He accepts this award on behalf of the continued effort of the working group to produce foundational work in the field of addiction science.

Richard Todd Award



DR. CHRISTEL M. MIDDELDORP

Professor Christel Middeldorp started in 2023 as the Director of the academic collaborate centre “Family Mental Health”, a collaboration between Amsterdam University Medical Centres, Arkin mental health service and Levvel child and youth mental health service. She also has an honorary professor position with the Child Health Research Centre (CHRC), UQ, and Child and Youth Mental Health Service (CYMHS), Children’s Health Queensland Hospital and Health Service (CHQ HHS) in Brisbane, Australia where she worked for six years.

Her research interests involve the role of genetic and other familial influences on the development and persistence of psychopathology across the lifespan. She is the co-PI of the Behavior&Cognition working group of the EAGLE consortium (EARly Genetics and Lifecourse Epidemiology), a large collaborative of population based longitudinal child and adolescent cohorts from over the world. She has also set up longitudinal clinical cohorts of children with mental disorders and their parents. Finally, Middeldorp aims to improve the treatment for families with multiple members affected by performing clinical trials.

In 2019, Christel was appointed by the Australian federal government as Co-Chair of the Childhood Mental Health and Wellbeing Strategy Working Party. The strategy was published in October 2021.



Gabriela Chavarria-Soley, Escuela de Biología, Universidad de Costa Rica |
Allele Frequency Variation of Association Signals for Schizophrenia in Latin
American Populations

Nadia Corral-Frias, Universidad de Sonora | Advancing the Understanding of
Depression Genetics: An Introduction to the Major Depression Working Group of the
Latin American Genomics Consortium

Zhiqiang Li, Qingdao University | Investigating the Relationship Between Mosaic
Chromosomal Alterations and Schizophrenia

**Shih-Kai Lin, Institute of Epidemiology and Preventive Medicine, College of
Public Health, National Taiwan University |** The Potential Microbiota Biomarker
and Functional Characteristics between Patients with Major Depressive Disorder,
Bipolar Disorder, and Healthy Controls

**Gabriela Martinez-Levy, Instituto Nacional de Psiquiatría Ramon de la
Fuente Muñiz |** European Externalizing Polygenic Risk Scores Predicts ADHD
Among Mexican Youth

Marcos Santoro, Universidade Federal de São Paulo | Analysis of Copy
Number Variants (CNVs) in a Brazilian High-Risk Cohort for Psychiatric Disorders

Huan Song, West China Hospital, Sichuan University | Shared Genetic Factors
between Stress-Related Disorders and Cardiovascular Diseases

Olivia Wootton, University of Cape Town | Using Genetically Informed Cognitive
Dimensions to Explore Phenotypic Heterogeneity in Schizophrenia



TRAVEL AWARD WINNERS

Clara Albiñana

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

Cibele Edom Bandeira

Clinical, Genetic and Neuroimaging Aspects of Attention-Deficit/Hyperactivity Disorder Courses Through Midlife

Tsaone Chalumbila

Investigating Transgenerational Effects of Maternal Psychological Distress Through Infant Gene Expression Profiles in a South African Birth Cohort Study

Kai-Yuan Cheng

Impact of Traumatic Brain Injury on Risk for Schizophrenia and Bipolar Disorder: A Dual Case-Control Study

Ábel Fóthi

Unveiling Cellular Associations in Brain-Metabolic Disorder Comorbidity: Insights From a Multiomics Approach

Vera Karlbauer

Targeted Bisulfite Sequencing Reveals Drivers of FKBP5 Methylation in Maltreated and Non-Maltreated Children

Maria Koromina

Statistical and Functional Fine-Mapping as a Powerful Tool to Unravel the Genetic Etiology of Bipolar Disorder

Soowhee Kim

Whole Genome Sequencing Analysis Identifies Phenotypic Patterns and Genetic Architecture Underlying Female Protective Effect in Autism Spectrum Disorder

Susan Kuo

Characterizing Associations Between Disruptive De Novo Rare Variant Burdens and Phenotypic Combinations in Over 3,000 Autistic Children: Towards Building a Public Clinical Genetic Resource

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

Zheng-An Lu

Shared Genetic Architecture Between Schizophrenia and Anorexia Nervosa: A Cross-Trait Genome-Wide Analysis

Patricia Maidana Miguel

Identifying Susceptible Individuals to the Effects of Early Life Adversity Through Genome-Wide Environment Interaction Studies (GWEIS): From Early Impairments in Executive Function to Psychiatric and Metabolic Diseases

Travis Mallard

Limited Evidence for a General Dimension of Impulsivity Across Molecular Genetic, Transcriptomic, and Neurogenomic Levels of Analysis

Alex Miller

A Genome-Wide Association Study of Using Substances to Cope With Depression and Anxiety in the UK Biobank and Polygenic Associations With Alcohol Use Disorder Severity

Salahudeen Mirza

Steps Toward a Combined Clinical-Epigenetic Predictor of Suicide Attempt Risk in Bipolar Disorder: Preliminary Insights From Cross-Sectional and Retrospective Assessments

Lihle Moyakhe

Gestational Epigenetic Age Deviation and Child Developmental and Mental Health Outcomes in a South African Birth Cohort Study

Hannah Park

Variants of FOXP3 and GDNF are Shared Genetic Risk Factors of Substance Use and Addictive Behaviors in Healthy Young Adults

Signe Penner-Goeke

High Throughput Screening of Glucocorticoid-Induced Enhancer Activity Reveals Molecular Mechanisms of Gene by Stress Interactions in Psychiatric Disease

Baiyu Qi

Shared Genetic Loci Underlying Smoking Consumption, Alcohol Use, and Body Mass Index: Evidence From Large Multi-Ethnic Genome-Wide Association Studies

Carina Seah

Stress in a Dish: Modeling the Impact of Common Genetic Variation on Stress Response in Hipsc-Derived Neurons in PTSD

Sylvanus Toikumo

The Genetic Architecture of Pain Intensity in the Million Veteran Program

Rada Veeneman

The Role of Sex Hormones in the Aetiology of Severe Mental Illness

Eric Vornholt

Contextualizing Postmortem Bias for Single-Nuclei Transcriptomic Studies of Human Brain

Chris Wai Hang Lo

Dissecting the Genetic Overlap Between Antidepressant Response and Comorbidities: A Polygenic Scoring Analysis

Xue Xin Goh

Significant Telomere Shortening in Malaysian Patients With Schizophrenia: Relationship With Total Antioxidant Capacity and Other Covariates

Jing Zhang

Investigating the Polygenic Architecture of Autism With and Without Intellectual Disability

ECIP ORAL FINALISTS

**Vincent-Raphael Bourque, Centre Hospitalier Universitaire Sainte-Justine
Centre de Recherche, Montreal, Quebec, Canada**

Predicting Cognitive and Adaptive Outcomes in Individuals With Autism Using Genomic Variants and Early Developmental Milestones

Sarah Colbert, Icahn School of Medicine at Mount Sinai

Genome-Wide Association Studies of Suicidal Thoughts and Behaviors: An Update From the Psychiatric Genomics Consortium Suicide Working Group

Philippe Jawinski, Humboldt-Universität zu Berlin

Common and Rare Genetic Risk Factors for Schizophrenia at Chromosome 22q Induce Convergent, Dispersed Changes in Gene Expression

Maria Koromina, Icahn School of Medicine, Mount Sinai

Novel Insights Into the Genetic Etiology of Bipolar Disorder From a Multi-Ancestry Genome-Wide Association Study From the Psychiatric Genomics Consortium

Patricia Maidana Miguel, McGill University

Identifying Susceptible Individuals to the Effects of Early Life Adversity through Genome-Wide Environment Interaction Studies (GWEIS): From Early Impairments in Executive Function to Psychiatric and Metabolic Diseases

Jolien Rietkerk, Helmholtz Zentrum München

Coordinated Epistasis Reveals Symptom-Specific Polygenic Pathway Interactions in Major Depressive Disorder

ECIP ORAL FINALISTS

Sylvanus Toikumo, University of Pennsylvania

The Genetic Architecture of Pain Intensity in the Million Veteran Program

Tess Vessels, Vanderbilt University

Identifying Modifiable Comorbidities of Schizophrenia by Integrating Electronic Health Records and Polygenic Risk

Eric Vornholt, Icahn School of Medicine at Mount Sinai

Common and Rare Genetic Risk Factors for Schizophrenia at Chromosome 22q Induce Convergent, Dispersed Changes in Gene Expression

Yan Xia, Yale University

Transcriptomic Dysfunction Disparities: Greater Burden in Female Brains highlights Immune and Synaptic Pathways for Psychiatric Disorders

Jessica Yang, Cardiff University

Exploring Sex Differences in the Genetic Architecture of Bipolar Disorder



ECIP POSTER FINALISTS

Sarah Benstock, Texas A & M University

How Redefining Control Status in GWAS Affects Statistical Power

Renata Cupertino, University of California San Diego

Genome-Wide Association Study of Delay Discounting in 134,935 23andMe Participants

Marc Kealhofer, Virginia Commonwealth University

Joint Analysis of De Novo Mutations From Autism Spectrum Disorders, Schizophrenia, and Other Developmental Disorders Improves Detection Power and Implicates Shared Molecular Pathways and CNS Processes

Danyang Li, Social, Genetic & Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, King's College London

Metabolic Effect of CYP2C19 and CYP2D6 on Antidepressant Response: A Meta-Analysis of 13 Depression Pharmacogenetic Studies

Cassie Overstreet, Yale University

Genome-Wide Association Study of the Five-Factor Dysphoric Arousal Model of Posttraumatic Stress Disorder in the Million Veteran Program

Karanvir Singh, University of British Columbia

Genetic Risk for Anorexia Nervosa and Association With General Dimensions of Psychopathology in Childhood

Tim van der Es, King's College London

Dissecting the Relationship Between Major Depressive Disorder and Cognition Using Genetics



MEETING EVALUATION AND CONTINUING EDUCATION

All meeting attendees are urged to complete an evaluation of the meeting. Attendees who are requesting CE credit for the meeting are required to complete the evaluation. This form is available **online only**. A link to the evaluation will be emailed to attendees at the completion of the congress. All evaluations must be completed by **November 10, 2023**.

Continuing Education and Disclosures

Attendees will be eligible to receive the credit hours listed below for attending the Congress. To obtain CE credits for the congress, you must complete the post-conference meeting evaluation.

There will be a charge for registrants to obtain Physician credits. You will be prompted to pay for the CE credits during the evaluation process. Upon completion of the post-conference evaluation and attestation, your CE certificate will be emailed to you. Please note, this email will often go to spam. If you do not receive your certificate, please email info@ispg.net.

Satisfactory Completion

Learners must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and International Society of Psychiatric Genetics (ISPG). Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physicians (ACCME) Credit Designation

Amedco LLC designates this live activity for a maximum of **25.50** *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Assistants

PAs may claim a maximum of **25.50** Category 1 credits for completing this activity. NCCPA accepts *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society.

Nurse Practitioners

The American Association of Nurse Practitioners (AANP) recognizes the Accreditation Council for Continuing Medical Education (ACCME) and the American Nurses Credentialing Center (ANCC) as approved accreditors and allow reciprocity for AANPCP continuing education credit. Maximum of **25.50** hours.



Thank you

The International Society of Psychiatric Genetics would like to thank the following sponsors for their support of this year's Congress.



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