

Tuesday, 13 September 2022

9:00 A.M. - 10:30 A.M. Education Day Session 1: Big Data in Different Study Designs - All With Their Own Biases		
The Ipsych Design – How it is Embedded into the Danish Civil Registration System	Esben	Agerbo
UK Biobank: A User Guide for Researchers	Chiara	Fabbri
Fundamentals of Biobank Study Designs to Effectively Enhance Your Genomics Research	Lea	Davis
10:30 A.M. - 12:00 P.M. Education Session 2: Vanishing Boundaries of Ancestry: Trans-Ancestry Analyses		
Genetic Architecture of Complex Traits in Diverse Populations	Karoline	Kuchenbaecker
Analytical Tools for Cross-Ancestry Analysis and Gene Discoveries	Elizabeth	Atkinson
Challenges and Opportunities for Developing More Generalizable Polygenic Risk Scores	Ying	Wang
Discussion		
1:00 P.M. - 2:30 P.M. Education Day Session 3: Sequencing Analysis – How/When to Do		
Exome sequencing technology and analysis	Daniel	Howrigan
Whole Genome Sequencing	Emanuela	Iovino
Whole Genome Sequencing	James	Guevara
Bulk and Single Cell RNA Sequencing in the Brain	Sarah	Marzi
Discussion		
3:00 P.M. - 4:45 P.M. Psychiatric Genomics Consortium (PGC) Annual General Meeting		
Recorded Session		
5:00 P.M. -6:00 P.M. Plenary Session I: Sarah Medland		
Large-Scale Collaboration in Neuroimaging Genetics: What Have We Learned	Sarah	Medland

Wednesday, 14 September 2022

9:00 A.M. - 10:00 A.M. Plenary Session II: Kristen Brennand		
Using Stem Cells to Explore the Genetics Underlying Brain Disease	Kristen	Brennand
10:15 A.M. - 11:45 A.M. Anxiety genetics: Updates on Genome-Wide Association, Methylo-me-Wide Association, and Childhood Risk		
Updated Results from GWAS in the PGC Anxiety Disorders Working Group	Nora	Strom
Explaining Comorbidity between Childhood and Adolescent Anxiety and Other	Christel M.	Middeldorp
Internalising and Externalising Problems. a Longitudinal Twin Study.		
Exploring the Genome-Wide Genetic Overlap Between Anxiety and Fear Disorders	Abigail	ter Kuile
Methylo-me-Wide Association Study of Anxiety Disorders	John	Hettema
Discussion		
10:15 A.M. - 11:45 A.M. Vanishing Boundaries in between Child and Adult psychiatry: Across Development, Omics and Disorders		
Polygenic Risk for Mental Disorder Reveals Distinct Association Profiles across Social Behaviour in the General Population	Beate	St Pourcain
Prs Prediction beyond Family History	Enda	Byrne
Integrative Multi-Omics Approaches to Childhood Aggression and Attention-Deficit/Hyperactivity Disorder	Fiona	Hagenbeek
Genome-Wide Analyses of ADHD Identify 27 Risk loci, Refine the Genetic Architecture and Implicate Several Cognitive Domains	Ditte	Demontis
Population-based Genomic Research Through Consortia	Beate	St Pourcain
Discussion Part 1		
Discussion Part 2		
10:15 A.M. - 11:45 A.M. Vanishing (Tissue) Boundaries in Psychiatry: Insights on the Brain from Observations Made Elsewhere		
BrainGENIE: The Brain Gene Expression and Network Imputation Engine	Stephen	Glatt
Immune System Crosstalk between the Brain and Blood of Living Human Subjects	Alexander	Charney
Virtual Histology and Virtual Ontogeny of the Human Cerebral Cortex	Tomas	Paus
Cortical Organoids Model Early Brain Development Disrupted by 16p11.2 Copy Number Variants in Autism	Lilia	Iakoucheva
Discussion		

10:15 A.M. - 11:45 A.M. Genetic Testing, Ethical Considerations, and the Future of Precision Psychiatry		
Polygenic Embryo Screening for Psychiatric Disorders: Current Status, Ethics, and Stakeholder Perspectives	Gabriel	Lazaro-Munoz
CNV Testing for Autism and Schizophrenia - Applying an Ethical Analysis Framework to Inform Clinical Practice	Jehannine	Austin
How Do We Make Polygenic Risk Scores (PRS) Understandable?: The Development and Evaluation of a New Tool to Accompany PRS	Danielle	Dick
Precision Prevention and Precision Treatment - When Will We Be Able to Use Genomics to Motivate Behavior change?	Laura	Bierut
Discussion Part 1		
Discussion Part 2		
2:15 P.M. - 3:45 P.M. Oral Session: Depression 1		
The SNP-Heritability of Internalizing and Functional Disorders in the Northern Dutch Population	Veronika	Odintsova
Exploring Genetic Heterogeneity of Depression: Scalar and Non-Scalar SNP Effects in the Genetics of Mild Versus Severe Depression	Nick	Martin
Genetics of Depression in Half a Million Cases: Update from the Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium	Mark	Adams
Large-Scale Multi-Ancestry Genome-Wide Association Meta-Analysis of Major Depression	Karoline	Kuchenbaecker
Genetic Epidemiology and Polygenicity of Psychotic Major Depressive Disorder	Thi Thuy Dung	Nguyen
Characterizing Severity-Based Depression Subtypes Using Electronic Health Records and Machine Learning in the Estonian Biobank	Siim	Kurvits
2:15 P.M. - 3:45 P.M. Oral Session: Methods 1		
Distinguishing Different Psychiatric Disorders Using DDx-PRS	Wouter	Peyrot
Decomposing Genetic Correlations	Christiaan	de Leeuw
Predicting an Individual's Disorder Probability with a Well-Calibrated Polygenic Risk Score	Emil	Uffelmann
Improving the Predictive Value of Family History for Psychiatric Disorders	Jette	Steinbach
BridgePRS: A Powerful Multi-Ancestry Polygenic Risk Score Method	Clive	Hoggart
Cell Type Deconvolution of Bulk Blood RNA-Seq to Reveal Biological Insights of Psychiatric Disease	Toni	Boltz
2:15 P.M. - 3:45 P.M. Oral Session: Neuroimaging Genetics		
Genetic Ancestry Confounds Associations Between MRI-Derived Brain Structure and Behavior: Evidence From the Adolescent Brain Cognitive Development Study	Alexander	Hatoum
Insights Into Cortical Organisation, Development, and Evolution from GWAS of 2,352 Structural Brain Phenotypes	Varun	Warrier
Joint Investigation of Brain and Behavioral Measures Improves both Discovery of Genetic Variants and Prediction of Psychiatric Disorders	Dennis	van der Meer
Abundant Pleiotropy Across Neuroimaging Modalities Identified Through Multivariate Genome-Wide Association Studies	Elleke	Tissink
General Dimensions of Human Brain Morphometry Inferred from Genome-Wide Association Data	Anna	Furtjes
Genetic Architecture of the White Matter Connectome of the Human Brain	Clyde	Francks
2:15 P.M. - 3:45 P.M. Oral Session: Autism Spectrum Disorder		
Developmental Trajectories of DNA Methylation in Neural Cell Populations In Human Cortex and Links to Neurodevelopmental Disorders	Jonathan	Davies
Genomic Architecture of Autism Spectrum Disorder from Comprehensive Whole-Genome Sequence Annotation	Brett	Trost
Transcriptional Patterns of Coexpression Across Autism Risk Genes Converge on Established and Novel Signatures of Neurodevelopment	Calwing	Liao
"Are We There Yet?" Reporting on a GWAS of Autism	Jakob	Grove
Genetic Relationships between the Immune System and Autism Spectrum Disorders and Traits	Martina	Arenella
Session Discussion		

4:00 P.M. - 5:30 P.M. Advances in Bipolar Disorder genomics: Biological insights, Ancestral Diversity and Clinical Trajectories

Opening Remarks	Niamh	Mullins
Multi-Ancestry Genome-Wide Association Studies Provide Novel Biological Insights into the Genetic Architecture of Bipolar Disorder	Kevin	O'Connell
A Comprehensive Statistical and Functional Fine-Mapping Pipeline Applied to Bipolar Disorder Gwas Risk Loci	Maria	Koromina
Genomic Stratification of Bipolar Disorder Outcomes: A Factor Analysis	Amedeo	Primerano
Towards a Global Bipolar Cohort and Collaborative Network	Melvin	McInnis
Discussion		

4:00 P.M. - 5:30 P.M. The Ethics, Position, & Policy Committee Symposium on Ethics and Genetic Testing in Psychiatry

Individual Return of Genomic results: Ethical Aspects and Barriers to Implementation	Janneke	Zinkstok
Psychiatric Polygenic Risk Scores, Pharmacogenetics, and Other Mental Health-Related Genetic Testing among Children and Adolescents	Gabriel	Lazaro-Munoz
Perspectives on Pharmacogenetic Testing in Late-Life Mental Healthcare: A Survey of the American Association of Geriatric Psychiatry	Daniel	Mueller
State-Of-The-Art of Genetic Testing, Counselling and Training in Psychiatry in Europe: Opportunities and Pitfalls of the Implementation of Psychiatric Genetics in Medical Practice	Boris	Chaumette
Discussion		

4:00 P.M. - 5:30 P.M. The Genomic Landscape of Eating Disorders: The Past, Present, and Future

Opening Remarks	Nadia	Micali
Genome-Wide Association Studies of Anorexia Nervosa: An Overview, Update, and Implications	Jet	Termorshuizen
Expanding Our Understanding of Genetic Risk for Binge Eating via a Genome-Wide Association Study	Melissa	Munn-Chernoff
Eating Disorders: Age of Onset and its Associated Genetic Risk Factors	Helena	Davies
Heritability of the avoidant/restrictive food intake disorder (ARFID) phenotype in 6- to-12-year-old Swedish twins	Lisa	Dinkler
Discussion		

4:00 P.M. - 5:30 P.M. Novel Approaches to System-Level Brain Function from Assembly Instructions to Mental Health

Integrative Machine Learning for Characterization of Non-Coding Disease Variants	Joshua	Popp
Cell-Type Specificity of Genetic Regulatory Mechanisms of Gene Expression Shapes Brain Disease Etiology	Panos	Roussos
Cell-type Specific Transcriptomic Changes Implicate Distinct Cell Contributions and Molecular Characteristics of Male and Female Profiles of Major Depression	Corina	Nagy
Schizophrenia Risk Gene Co-Expression Shifts across Aging and Provides Insight into the Omnigenic Model	Giulio	Pergola
Discussant	Daniel	Weinberger

Thursday, 15 September 2022

9:00 A.M. - 10:00 A.M. Plenary Session III: Jonathan Sebat

[Characterization of the Combined Effects of Rare Variants and Polygenic Risk by Whole Genome Analysis of Psychiatric Disorders and Quantitative Traits](#) Jonathan Sebat

10:15 A.M. - 11:45 A.M. Research into Age-Dependent Genetic Effects on Brain and Behaviour

[Opening Remarks](#) Dennis van der Meer

[Genetic Variants Associated with Longitudinal Changes in Brain Structure across the Lifespan](#) Rachel Brouwer

[Age-Dependent Genome-Wide Association Study of Structural Brain Morphology in Abcd](#) Oleksandr Frei

[How Do Individuals with Rare Psychiatric-Associated Genetic Variants age?](#) Rune Bøen

[Clustering Schizophrenia Genes by Their Temporal Expression Patterns Aids Functional Interpretation](#) Dennis van der Meer

[Discussion](#)

10:15 A.M. - 11:45 A.M. Merging the Boundaries between the Brain and the Heart: Understanding the Shared Biology of Mood Disorders

[Polygenic Score of Post-Traumatic Stress Disorder Highlights Association with Cardiovascular Disorders in Electronic Health Records of >94,000 Individuals](#) Gita Pathak

[Depression and Coronary Artery Disease Share Genetic Risk Factors Enriched in Inflammation and Cardiomyopathy-Associated Pathways](#) Kritika Singh

[The Relationship of GLP1R Pathway Genes to Cardiovascular Disease and Major Depression](#) Nancy Cox

[Discussion](#)

10:15 A.M. - 11:45 A.M. PUMAS: Populations Underrepresented in Mental Illness Association Studies Project

[Opening Remarks](#) Carlos Lopez-Jaramillo

[Phenotyping with the Neuropsychiatric Genetics of African Populations-Psychosis \(NeuroGAP-Psychosis\) Study](#) Bizu Gelaye

[New Biological Insights from Multi-Ancestry Genomic Analyses of Schizophrenia and Bipolar Disorder](#) Tim Bigdeli

[Genetics of Severe Mental Illness in South America](#) Loes Olde Loohuis

[Replacing GWAS arrays: Capturing Genomic Diversity with a Novel Whole-Exome plus Low-Pass Whole Genome Product](#) Daniel Howrigan

[Discussion](#)

10:15 A.M. - 11:45 A.M. Advances in Autism Genetics: Common and Rare Variant Risk, Resilience and Functional Implications

[Analysis of Rare Coding and Common Variants in Autism and Comorbid Subgroups](#) Jinjie Duan

[Statistical and Functional Convergence of Common and Rare Variant Risk for Autism Spectrum Disorders at Chromosome 16p](#) Daniel Weiner

[Sub-Diagnostic Effects of Genetic Variants Associated with Autism](#) Thomas Rolland

[Interaction Studies of Risk Proteins in Human Induced Neurons Reveal Convergent Biology and Novel Mechanisms Underlying Autism Spectrum Disorders](#) Kasper Lage

[Discussion](#)

1:45 P.M. - 3:15 P.M. Oral Session: Schizophrenia 1

[Convergent Impact of Schizophrenia Risk Genes](#) Kayla Townsley

[Common and Rare Genetic Risk Factors for Schizophrenia at Chromosome 22q Induce Convergent, Dispersed Changes in Gene Expression](#) Ajay Nadig

[A Cumulative Phenotypic Impact of Sequence Variants in the 22q11.2 Region in Cohorts Without the Deletion](#) Jacob Vorstman

[Brain Cell Type Specific eQTLs and Schizophrenia](#) Shuyang Yao

[Using Brain Cell-Type-Specific Interactomes of Proteins Encoded by Risk Genes to Uncover Biology Underlying Schizophrenia and Related Disorders](#) Greta Pintacuda

[Leveraging a Bespoke Cortical Transcriptome to Assess the Role of Alternative Splicing in Schizophrenia](#) Eilis Hannon

1:45 P.M. - 3:15 P.M. Oral Session: Cross-Disorder and Comorbidity 1

Sex Differences in Mental Health Conditions Associated with Sexual Assault: An Electronic Health Record Phenotyping Study	Allie	Lake
Using Longitudinal EHR Data to Delineate Diverse Trajectories of Severe Mental Illness	Juan	De la Hoz
The Causal Role of Stress on Multimorbidity: A Two-Sample, Multivariable Mendelian Randomisation Study	Vilte	Baltramonaityte
A Genome-Wide Association Study of Copy Number Variation Across Major Psychiatric Disorders in 500,000 Individuals	Omar	Shanta
A Second Iteration of the Ipsych Cross-Disorder Study Compares Across and Between Disorders GWAS.	Vivek	Appadurai
The Genomics of Psychiatric Symptom Differentiation in Early Life	Adrian	Askelund

1:45 P.M. - 3:15 P.M. Oral Session: ADHD

Eating Disorders, Attention-Deficit/Hyperactivity Disorder, and Autism Spectrum Disorder: An Examination of Comorbidity, Co-Aggregation, and Polygenic Risk	Janne Tidselbak	Larsen
Genome-Wide Analyses of Vocabulary Size in Infancy and Toddlerhood: Links With ADHD and Cognitive Traits	Ellen	Verhoef
Genome-Wide Cross-Disorder Analyses of ADHD and Cannabis Use Disorder and Cannabis Use	Ditte	Demontis
Genome-Wide Analysis of Attention-Deficit Hyperactivity Disorder Symptoms and Inattention and Hyperactivity-Impulsivity Symptom Domains in Adults	Elis	Haan
Epigenome-Wide Association Meta-Analysis of Adult Attention-Deficit/Hyperactivity Disorder	Mandy	Meijer
Neurodevelopmental Traits and Sample Attrition in Cohort Studies	Rachel	Blakey

1:45 P.M. - 3:15 P.M. Oral Session: Substance Use Disorder & Other

Proteome-Wide Mendelian Randomization Identifies Causal Links Between Blood Proteins and Alzheimer's	Christopher	Hübel
Genome-Wide Association Study of Borderline Personality Disorder - An Update From the International Borderline Genomics Consortium	Stephanie	Witt
Pathway-Based Polygenic Risk Scores Using Machine Learning: Application to Schizophrenia and Bipolar Disorder	Georgia	Panagiotaropoulou
Cannabis, Alcohol and Substance Abuse and Risk of Schizophrenia and Bipolar Disorder in a Swedish National Register Study	Natassia	Robinson
Genome-Wide Association Study of Alcohol Consumption Identifies Novel Loci in Latin American Populations: Findings from the Latin American Genomics Consortium	Jose	Martinez-Magana
Exome-Wide Association Study in ~750,000 Individuals Identifies CHRN2 as a Potential Drug Target for Smoking.	Veera	Rajagopal

3:30 P.M. - 4:30 P.M. IDEA Committee Plenary Session

Decolonizing Psychiatric Genetics is an Ethical Imperative	Olivia	Matshabane
The Latin American Genomics Consortium: Advancing Psychiatric Genomics in Latinx Populations	Paola	Giusti-Rodriguez
Decolonisation of Psychiatric genetics: Perspectives from an Erstwhile "Jewel in the Crown" Colony	Meera	Purushottam
Decolonization in Psychiatric Genetics: Perspectives and Thoughts from East Asia	Hailiang	Huang

4:45 P.M. - 6:00 P.M. Showcasing the PGC

Introduction	Patrick	Sullivan
Data sharing and data access	Lea	Davis
PGC genome wide study of post-partum depression	Jerry	Guintivano
Using PGC studies to evaluate pathway polygenic risk scores with PRSet	Judit	Garcia
Plenary Panel: Research to Clinical Application Panel Discussion		

Friday, 16 September 2022

9:00 A.M. - 10:00 A.M. Plenary Session IV: Marion Leboyer		
Immuno-Psychiatry and Inflammation	Marion	Leboyer
10:15 A.M. - 11:45 A.M. ISPG Awardee Presentations		
Recorded Session		
1:45 P.M. - 3:15 P.M. Oral Session: Depression 2		
Revealing Altered Expression and Protein Levels in Major Depressive Disorder by Integrating Functional Genomic Annotations With GWAS Summary Statistics	Oliver	Pain
Polygenic Liability to Depression is Associated With Multiple Medical Conditions in the Electronic Health Record: Phenome-Wide Association Study of 46,782 Individuals	Yu	Fang
Mapping Chromatin Interaction Profiles from Brain Tissue and Cell-Types with Depression-Associated-Loci in 3.8 Million Individuals	Gita	Pathak
Dimensional Modelling of Genetic Associations Between BMI and Psychiatric Phenotypes	Wonuola	Akingbuwa
Shared Genetic Contribution to Major Depressive Disorder and Cardiovascular Disease	Jacob	Bergstedt
Large Scale RNA Sequencing of the Limbic Cortex in Major Depressive Disorder	Fernando	Goes
1:45 P.M. - 3:15 P.M. Oral Session: Cross-Disorder and Comorbidity 2		
Genetic Overlap and Comorbidity Among Psychiatric Traits and Endometriosis, a Chronic Inflammatory Disease	Dora	Koller
The Shared Genetic Landscape of Blood Cell Traits and Risk of Psychiatric and Neurological Disorders	Yuanhao	Yang
Isoform-Level Transcriptome-Wide Association Studies Uncover Novel Biological Mechanisms Underlying Genetic Associations With Five Neuropsychiatric Traits	Arjun	Bhattacharya
Latent Polygenic Profile Analysis (LPPA) as a Tool for Dimension Reduction And Exploring the Phenotypic Correlates of Overlapping Genetic Liabilities	Laurie	Hannigan
Early Insights From the Accelerator Program for Discovery in Brain Disorders Using Stem Cells	Biju	Viswanath
Examining Common and Specific Genetic Influences on Schizophrenia, Bipolar Disorder, and Depression	Katrina	Grasby
1:45 P.M. - 3:15 P.M. Oral Session: ELSI, Counseling & Genetic Testing		
How Does the Public in Latin American Countries View Genetic and Genomic Data Donation for Research?	Gabriela	Chavarria-Soley
Performance of Psychiatric Phenotyping Algorithms in Electronic Health Records by Race and Ethnicity: An Assessment From the PsycheMERGE Diversity Initiative	Roseann	Peterson
Current Ethical and Societal Challenges We Are Facing as a Result of the Current State of the Art of GWAS	Matthieu	de Hemptinne
Diversity Considerations in Commercial Pharmacogenomic Panels for Mood Disorders: Insights from Publicly Available Datasets	José	Morosoli
Exploring Autistic Adults' Perspectives on Genetic Testing for Autism	Jehannine	Austin
Implications of Genetic Attributions for Addiction Among Treatment Providers	Matthew	Lebowitz
1:45 P.M. - 3:15 P.M. Oral Session: Population Traits		
Long Read Transcriptome Sequencing Reveals Isoform Diversity Across Human Neurodevelopment	Rosemary	Bamford
Untangling Genetic Risk Factors of Long COVID: Work of the International COVID-19 Host Genetics Initiative	Eva	Schulte
CADM2 is Implicated in Impulsive Personality and Numerous Other Traits by Genome- and Phenome-Wide Association Studies in Humans, With Further Support From Studies of Cadm2 Mutant Mice	Sandra	Sanchez-Roige
Genetic Regulation of Gene Expression in the Frontal Cortex Across the Lifespan	Hannah	Young
The Genetic Architecture of Amygdala Nuclei	Maryanne	Mufford
A Multi-Method Approach to Uncover the Contribution of Cognitive and Non-Cognitive Skills to Academic Achievement Throughout the School Years (Part 1)	Margherita	Malanchini

3:30 P.M. - 5:00 P.M. Advancing the Genetics of Suicide to Inform Biology and Clinical Utility

Opening Remarks	Niamh	Mullins
Genome-Wide Association Study Meta-Analysis of Suicide Attempt in 43,871 Cases Identifies Twelve Genome-Wide Significant Loci	Anna	Docherty
Rare Variants in Whole Genome Sequencing Implicate Genes Associated with Suicide Gwas Signals	Hilary	Coon
Identification of Novel, Replicable Genetic Risk Loci for Suicidal Thoughts and Behaviors within the Million Veteran Program (MVP) Cohort	Nate	Kimbrel
Methodological Implications and Potential Benefit from Adding Genetics to Clinical Prediction Models of Suicide Attempt	Douglas	Ruderfer

3:30 P.M. - 5:00 P.M. Human iPSC Modeling of Neuropsychiatric Disorder: From Polygenicity to Convergence

Electrophysiological Measures from Human iPSC-Derived Neurons are Associated with Schizophrenia Clinical Status and Predict Individual Cognitive Performance.	Brady	Maher
Autism Genes Converge on Asynchronous Development of Shared Neuron Classes	Bruna	Paulsen
Cellular Context-Specific Gene Regulation of Neuropsychiatric Disorders in Single Human Neurons	Jubao	Duan
Modelling Gene X Environment interactions: Ptsd-Specific Glucocorticoid-Induced Transcriptomics in Human Neurons	Carina	Seah
Discussion		

3:30 P.M. - 5:00 P.M. Next-Generation Comprehensive Genetics and Longitudinal Phenotyping in the Nordics and Beyond

Psychiatric Genomics with Unshareable Data	Alfonso	Buil
Trygve2: Secure & Precise Genetic Analyses in the Nordic Countries and Beyond	Joelle	Pasman
The Genetic Architecture of Major Depressive Disorder With Severe Outcome in Scandinavia	Martin	Tesli
Next Generation Genome-Wide Association Study of Schizophrenia From Sweden	Kaarina	Kowalec
Discussion		

3:30 P.M. - 5:00 P.M. Genetics of Posttraumatic Stress Disorders: Increasing Diversity, Improving Phenotyping, and Exploring Trauma Psychopathology

Ancestry-informed GWAS of PTSD Identifies Over 80 Risk Loci	Adam	Maihofer
Overall and Sex-Specific Relationships between PTSD and the Medical Phenome Using Electronic Health Records across Three Health Systems	Karmel	Choi
Empathy Polygenic Scores Associate with Posttraumatic Stress Severity in Response to Early-Life Adversity	Frank	Wendt
Trauma and PTSD in African Populations: Current Evidence and New Initiatives	Edith	Kwobah
Discussion Part 1		
Discussion Part 2		

Saturday, 17 September 2022

9:00 A.M. - 10:00 A.M. Plenary Panel Session V: Panel Discussion on Academia & Industry Collaboration

Translating Genomic Findings Into Clinical benefit: A Dual Academic/Industrial Perspective	Elizabeth	Tunbridge
The Broad Array of Collaborative Opportunities with Regeneron	Eli	Stahl
Plenary Panel: Research to Clinical Application Panel Discussion	Qingqin	Li
Accelerating Psychiatric Drug Discovery through Academic-Industry Collaborations with the Psychiatry Consortium	Laura	Ajram
Discussion		

10:30 A.M. - 12:00 P.M. A Multi-Method Approach to Psychiatric Genomics Consortium Cross-Disorder Analyses

Genomic Structural Equation Modeling Applied to 14 Major Psychiatric Disorders	Andrew	Grotzinger
Quantifying Polygenic Overlap across 14 Major Psychiatric Disorders with MiXeR	Oleksandr	Frei
Characterizing the Local Genetic Correlations between 14 Major Psychiatric Disorders	Christiaan	De Leeuw
Identifying Loci with Different Allele Frequencies among Cases of Different Disorders Using CC-GWAS	Wouter	Peyrot
Discussion		

10:30 A.M. - 12:00 P.M. Of Dogs and Humans - An Update on OCD Genetics in the TS/OCD PGC Working Group

Progress in the Genome-Wide Analysis of Obsessive-Compulsive Disorder: Discovery of 30 significantly associated Loci	Nora	Strom
Biological Insights from Statistical Fine-Mapping of Obsessive Compulsive Disorder Risk Loci	Zachary	Gerring
Contribution of Rare Copy Number Variants to Obsessive-Compulsive Disorder	James	Crowley
Cross-species genetic and evolutionary analysis highlight the relevance of canine compulsive behaviors for human obsessive-compulsive disorder	Kathleen	Morrill
Discussion		

10:30 A.M. - 12:00 P.M. Copy Number Variation and Their Interaction with Polygenic Risk Scores in Psychiatric Disorders

Copy Number Variants and Diagnosis Linkage in 220,000 Individuals From the Norwegian Mother, Father and Child Study, Moba	Ida	Sonderby
Influence of CSVs and Common SNP Variation (and Interactions between Them) on Cognition	David	Glahn
Impact of Copy Number Variants and Polygenic Risk Scores on Psychopathology in the UK Biobank	Josephine	Mollon
Interactions of Rare Cnvs with Polygenic Risk Scores in Psychiatric Disorders and Quantitative Traits	Marieke	Klein
Discussion		

10:30 A.M. - 12:00 P.M. Cell- and Tissue-Type Enrichment Testing Based on Genetic Association Studies

Opening Remarks	Andrew	McIntosh
Searching for Schizophrenia Biology: Overlap Analysis of Cell Type-Specific Phenotypes in CNV Mouse Models	Jens	Hjerling-Leffler
A Comparison of Methods that Integrate GWAS Results with Single Cell RNAseq Data	Naomi	Wray
Variant-Risk-Exon Interplay Impacts on Cell-Cell Interactions in the Human Cortex in Severe Psychiatric Disorders	Janine	Knauer-Arloth
Cell- and Tissue-Type Enrichment Testing Based on Genetic Association Studies	Nathan	Skene
Session Discussion		

2:00 P.M. - 3:30 P.M. Oral Session: Schizophrenia 2

Detection of Placental Schizophrenia Risk Genes	Gianluca	Ursini
Rare Variants in Pharmacogenes Impact Clozapine Metabolism in Individuals With Treatment-Resistant Schizophrenia	Djenifer B.	Kappel
Exploration of Brain-Heritable Methylation in Schizophrenia Cases and Controls	Leticia	Spindola
Insights Offered by Conditional Analysis and HLA/C4 Type Imputation on Schizophrenia Genomics	Georgia	Panagiotaropoulou
Identifying Cell-Type-Specific Epigenetic Variation in the Cortex Associated with Schizophrenia	Eilis	Hannon

[New Exome Sequencing Data Provides Preliminary Evidence for 5 Novel Schizophrenia Risk Genes](#)

James

Walters

2:00 P.M. - 3:30 P.M. Oral Session: Methods 2

What's UPDOG? A New Tool for Trans-Ancestral Polygenic Score Prediction	David	Howard
Family History Scores Complement Polygenic Score Descriptions of Psychiatric Genetic Architecture: Theory and Practice	Morten	Krebs
Re-Weighting Hundreds of Polygenic Scores Improves the Prediction Accuracy of Psychiatric Disorders	Clara	Albiñana
Quantifying the Assortative Mating of Psychiatric Disorders and its Consequences in Danish Population	Saeid	Rasekhi Dehkordi
Resolving The Exact Breakpoints and Sequence Rearrangements of Large Neuropsychiatric Copy Number Variations (CNVs) at Single Base-Pair Resolution Using Crispr-Targeted Ultra-Long Read Sequencing (CLR-Seq)	Bo	Zhou
Gene-Environment Correlations Across Geographic Regions Affect Genome-Wide Association Studies	Abdel	Abdellaoui

2:00 P.M. - 3:30 P.M. Oral Session: Bipolar Disorder

Genetic Dissection and Harmonising Phenotypes: Findings from the International Postpartum Psychosis Consortium	Jessica	Yang
Developmental Manifestations of Polygenic Risk for Bipolar Disorder From Infancy to Middle Childhood	Ragna	Askeland
Game Changer for Bipolar Disorder Diagnosis Using RNA Editing-Based Blood Biomarkers	Dinah	Weissmann
Exploring the Cerebrospinal Fluid Proteome in Bipolar Disorder	Andreas	Göteson
Bipolar Disorder is Characterised by Stoichiometric Imbalance of Gene Expression in the Frontal Cortex	Asbjorn	Holmgren

2:00 P.M. - 3:30 P.M. Oral Session: Neurodevelopmental Disorders

Association of Rare Coding Variants With Generalised Cognition in UK Biobank	Eilidh	Fenner
First-Look Results From a Genome-Wide Association Meta-Analysis of Age of Learning to Walk	Angelica	Ronald
Genetic and Pedigree Designs to Investigate the Effects of Parental Psychopathology on Children's School Performance	Perline	Demange
An Induced Pluripotent Stem Cell (iPSC) Resource From Genetically Isolated Families With Neuropsychiatric Disorders	Sevilla	Detera-Wadleigh
Genome-Wide Association Study of 14,000 Cases Identifies Four New Risk Genes and Implicates Calcium Signaling in Tourette Syndrome and Chronic Tic Disorders	Jeremiah	Scharf
Deep Phenotypic Comparison of X- and Y-Chromosome Dosage Effects on Psychopathology	Lukas	Schaffer

3:45 P.M. - 4:45 P.M. Plenary Session VI: Ian Maze

Astrocytic ZBTB7A Promotes Aberrant Cortical Plasticity Associated with Major Depressive Disorder	Ian	Maze
---	-----	------