Molecular risk mechanisms for major psychoses II
Chair: Holger Garn
10:50 Impact of the psychiatric susceptibility gene CACNA1C on mitochondrial and neuronal resilience
Carsten Culmsee, Marburg
11:10 Effects of the psychiatric risk gene CACNA1C on neuroinflammatory responses in microglia
Susanne Michels, Marburg
11:30 Role of the immune system in affective disorders and depression-associated behavior
Judith Alferink, Münster
11:50 General Discussion

12:00 Lunch

Genetics and Treatment
Chair: Markus Nöthen
13:00 Selected short presentations
13:30 Genomic analyses of psychiatric disorders
Andreas Forstner, Marburg

13:50 Poster session IV and coffee
14:50 Divergence in genotypes and phenotypes across the affective and psychotic spectrum – from big data to disease mechanisms
Ole Andreassen, Oslo
15:30 Methods of dimensionality reduction in genome-wide human polymorphism data
Bernd Müller-Myhsok, München
15:50 NIRS-based neurofeedback to treat auditory hallucinations
Andreas Fallgatter, Tübingen
16:30 General Discussion
16:40 Summary and Farewell
Dear colleagues

Large epidemiological and molecular genetic studies have elucidated the risk factors for the major psychoses (major depression, schizophrenia, bipolar disorder). The pathophysiological pathways from these risks onto molecular, cellular and systemic levels remain largely elusive. Since 2014, the German Research Council (DFG) has funded our large, German, nationwide translational consortium, the DFG Research Unit 2107, with the aim to unravel these pathways in animal models and humans. The conference “Neurobiology of the Major Psychoses” aims at a transdiagnostic, dimensional view.

In our three day conference, we will discuss the current state of the field to accelerate the translation of research breakthroughs into novel classification and personalized medicine.

Tilo Kircher and the PIs of the FOR2107

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Wednesday, March 25th 2020

Women in Science, Satellite Meeting
Gutenbergstraße 18, Room 00019
10:00 – 15:00
Chairs: Theresa Kisko, Özge Sungur (Post-doctoral researchers)

Öffentlicher Vortrag, Alte Aula, Lahntor 3
19:00 Prof. Dr. Andreas Meyer-Lindenberg, Mannheim
Ursachen und Therapien bei psychiatrischen Erkrankungen (auf Deutsch)

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Friday, March 27th 2020

Molecular risk mechanisms for major psychoses I
Chair: Stephanie Witt
08:30 Dissecting the polygenic basis of psychiatric disorders using stem cell models and functional genomics
Michael Ziller, München
09:10 Contribution of miR-429 to the development of affective disorders
Helena Martins, Zürich
09:30 Gene environment interaction in affective disorders
Elisabeth Binder, München
10:10 General Discussion
10:20 Poster session III and coffee