Tuesday, November 8th, 2016

12:00  Arrival, Room Check in
12:30  Lunch
13:30  Introduction Tilo Kircher
14:00  Chair: Rainer Schwarting
       Udo Dannlowski (WP1)
       MACS: Gene x Environment Interaction in Mental Disorders
14:30  Markus Wöhr (WP2)
       Biopsychological mechanisms underlying gene x environment effects in the
       Cacna1c genetic rat model of affective disorders: Calcium signallling, microRNAs,
       and immune activation
15:00  Chair: Marcella Rietschel
       Gerhard Schratt (WP3)
       Molecular mechanisms underlying a global reduction of microRNA expression in
       rat models of affective disorders and human depressive patients
15:30  Judith Alferink (WP4)
       Inflammatory mechanisms in the context of G&E interactions in affective
       disorders
16:00  Coffee break
16:30  Chair: Markus Nöthen
       Andreas Forstner (WP5)
       Integrative analyses of genetic, epigenetic, transcriptomic, and environmental
       vulnerability factors of affective disorders
17:00  Tim Hahn (WP6)
       Cross-Disorder Biotype Identification and Prediction
17:30  Ina Pfefferle (CP1)
       Biomaterial Bank (BMB)
17:45  Poster session
18:45  Dinner
19:30  Get Together
Wednesday, November 9th, 2016

07:30  Breakfast
08:30  Poster session
09:15  Parallel Sessions
      •  PI meeting: new funding period
      •  Postgraduate meetings
10:30  Coffee break
11:00  Parallel Sessions
      •  PI meeting new funding period
      •  Postgraduate meetings
12:30  Lunch
13:30  Parallel Sessions
      •  PI meeting new funding period
      •  Postgraduate meetings
15:00  Summary Postgraduate Meetings
15:15  Summery PI Meetings: 10 minutes per workpackage
16:15  Coffee and cake
Posters: Preliminary Results

Tuesday, November 8, 18:00-18:45
Wednesday, November 9, 8:30-9:15 h

WP1
Differential abnormal pattern of anterior cingulate gyrus activation in unipolar and bipolar depression

Association between global functioning, clinical and cognitive outcome with WM microstructure in major psychiatric disorders

Belohnungsprozesse bei unipolarer Depression und bipolärer Störung: eine fMRT-Studie

The influence of individual risk and protective factors on brain structure in psychotic and affective disorders - a transdiagnostical study

Is state depression positively linked to better cognition in schizophrenia?
Meier F, Engelen J, Bröhl H, Heinen J, Dietsche B, Dannlowski U, Kircher T

Differential effect of childhood maltreatment on white matter morphometry in unipolar and bipolar depression
Meinert S, Repple J, Bürger C, Zaremba D, Grotegerd D, Förster K, Dannlowski U

A Voxel-Based Diffusion Tensor Imaging Study in unipolar and bipolar depression

Clinical Predictors of Hippocampal Atrophy in Patients with Major Depressive Disorder

WP2
The Cacna1c genetic rat model for affective disorders: Behavioral phenotypes and inflammatory markers

Cytokine profiles and epigenetic signatures as consequences of gene-environment-interactions in a Cacna1c-deficient rat model of affective disorders
Sex differences in juvenile social play behavior and 50-kHz ultrasonic vocalizations of Cacna1c haploinsufficient rats modeling affective disorders.
Kisko TM, Braun MD, Pützer A, Hohmeyer C, Rietschel M, Witt S, Schwarting RKW, Wöhr M

WP3
MicroRNAs regulate the neuroplasticity of Major Depressive Disorder

WP4
Knockdown of the psychiatric susceptibility gene Cacna1c mediates protection of mitochondria against glutamate-induced stress in neuronal cells vorstellen.
Michels S, Ganjam GK, Martins H, Braun MD, Kisko TM, Schwarting RKW, Wöhr M, Schratt GM, Culmsee C

WP5
Integrative analyses of genetic, epigenetic and microRNA data

Next-Generation Bisulfite Sequencing of CACNA1C and OXTR with Illumina MiSeq

WP6
Altered Fronto-Amygdala Circuits Underlying Affective Disorders: Effects of Diagnosis and Medication
Keßler R, Schuster V, Bopp MHA, Zimmermann KM, Jansen A

Quality Assurance for functional Magnetic Resonance Imaging for MACS
Vogelbacher C, Bopp MHA, Sommer J, Jansen A