



GISS 2023

Giessen International Schizophrenia Symposium

20-22 April 2023

with keynote speakers Andreas Meyer-Lindenberg
and nobel laureate Thomas Südhof



At GISS 2023 we are proud to award the
“Robert-Sommer-Medal“

Thursday, 20th April 2023

10:00 – end	Opening Registration	
11:00 – 12:00	Expert Class: EEG Gregor Leicht	
12:00 – 13:00	Expert Class: task-based fMRI Todd Woodward	Expert Class: The role of peers in clinical practice Candelaria Mahlke
13:00 – 14:00	Lunch	
14:00 - 14:30	Welcome Christoph Mulert <i>Welcome addresses:</i> Martin Kramer (Vice-President JLU Giessen), Frank-Tilo Becher (Mayor of Giessen), Kai Klose (Hessian Minister for Social Affairs and Integration; Video) Outstanding Service Award, Early Career Awards	
14:30 – 15:45	Opening Symposium Chair: Dan Rujescu Dan Rujescu <i>Does genomics shape the way towards precision medicine in schizophrenia?</i> Stefan Borgwardt <i>Using explainable artificial intelligence and texture MRI brain abnormalities to predict psychosis</i> Silvana Galderisi <i>Negative Symptoms in Schizophrenia (stream)</i>	
15:45 – 16:30	Keynote David Lewis (stream) Chair: Iris Sommer <i>A Molecular and Neural Circuitry Substrate for Cognitive Dysfunction in SZ</i>	
16:30 – 16:45	Coffee break	
16:45 – 17:00	Robert-Sommer-Award Chair: Christoph Mulert Laudatio Daniel Weinberger (stream)	
17:00 – 18:00	Robert Sommer Lecture Andreas Meyer-Lindenberg <i>Mechanisms of Risk- and resilience in schizophrenia</i>	
18:00 – 19:00	Come Together	
19:00 – 20:00	Dinner	

Friday, 21st April 2023

8:00 – 9:00	Meet the Expert Christos Pantelis (stream)
9:00 – 10:00	Poster session
10:00 – 10:15	Coffee break
10:15 – 12:00	Presidential Symposium Chair: Christoph Mulert Christoph Correll <i>New developments in the psychopharmacological treatment of schizophrenia</i> Nikolaos Koutsouleris <i>Toward a better understanding of heterogeneity in psychoses: the comparative machine learning approach.</i> Tilo Kircher <i>Multi-level overlaps in SZ, BD and MDD: what is the way forward in pathogenetic research?</i> Branislava Curcic-Blake <i>Fronto-temporo-parietal connectivity and hallucinations</i>
12:00 – 13:00	Expert Class: State of the art of schizophrenia pharmacological treatment Christoph Correll
13:00 – 14:00	Lunch
14:00 – 14:45	Keynote Daniel Weinberger (stream), Chair: tba <i>Genomic Insights about the Prenatal Origins of Behavioral Disorders</i>
14:45 – 15:30	Keynote Sir Robin Murray Chair: Bernd Gallhofer <i>An aetiological approach to the treatment of psychosis</i>
15:30 – 16:00	Coffee break
16:00 – 17:00	GISS Lecture 2023 (stream), Chair: Christoph Mulert Thomas Südhof <i>Synapses in neuropsychiatric disorders: NRXN1 deletions and beyond</i>
17:00 – 17:30	Refreshing
17:30 –	(ca. 40 Min.) Transport to Mathematikum Gießen
18:15	Mathematikum Gießen Welcome (Albrecht Beutelspacher) <i>Welcome addresses:</i> Tobias Kaltenbach (CEO RHÖN-KLINIKUM AG) Boris Rhein, Minister-President of Hesse (Video)
18:30 – 19:30	Dinner Honorary Awards, Poster Awards
19:30 – 20:15	GISS Event at Mathematikum Keynote Peter Falkai, Chair: Alkomiet Hasan <i>Aerobic Exercise in Schizophrenia: Understanding and Cure</i>
20:15 – 21:45	Cheese, Wine & Music
21:45 –	(ca. 40 Min.) Transport to Schloss Rauschholzhausen

Saturday, 22nd April 2023

8:00 – 9:00	Expert Class: DTI in schizophrenia research Ofar Pasternak, Marek Kubicki, Amanda Lyall	
9:00 – 10:00	Expert Class: Neurostimulation in schizophrenia Sebastian Walther Christoph Mulert	Expert Class: Implementation of evidence-based schizophrenia care Alkomiet Hasan
10:00 – 10:15	Coffee break	
10:15 – 11:45	Saturday Morning Symposium Chair: Gregor Leicht & Ofar Pasternak	
	Ofar Pasternak	Exploring the Role of Neuroimaging in Big Data Psychosis Research: Opportunities and Challenges.
	Gregor Leicht	<i>High frequency neural oscillations and schizophrenia</i>
	Sebastian Walther	<i>Brain stimulation to treat sensorimotor abnormalities in psychosis</i>
	Alkomiet Hasan	<i>Modulation of Excitation and Inhibition balance to treat schizophrenia</i>
11:45 – 12:30	Keynote Iris Sommer, Chair: Sebastian Walther <i>Nutritional Psychiatry</i>	
12:30 – 13:30	Lunch	
13:30 – 15:00	Closing (Neuroimaging) Symposium Chair: Todd Woodward & Marek Kubicki	
	Todd Woodward	<i>Associations between symptom severity and cognition / task-based fMRI: the Individual difference approach</i>
	Peter Uhlhaas	<i>Gamma-Band Oscillations in Psychosis: Biomarkers, Mechanisms and the Search for Novel Treatments</i>
	Amanda Lyall	<i>Characterization of the Extracellular Free Water Signal in Schizophrenia Using Multi-Site Diffusion MRI Harmonization</i>
	Marek Kubicki	<i>“Precision Big Data” Approach; Retrospective Harmonization of dMRI, Clinical, and Cognitive Data to Model Schizophrenia Across the Lifespan</i>

End of GISS 2023