



# 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	<b>Expert Class: EEG</b> Gregor Leicht	
12:00 – 13:00	<b>Expert Class: task-based fMRI</b> Todd Woodward	<b>Expert Class: The role of peers in clinical practice</b> Candelaria Mahlke
13:00 – 14:00	<b>Lunch</b>	
14:00 - 14:30	<b>Welcome</b> 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	<b>Opening Symposium</b> 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	<b>Keynote</b> David Lewis (stream) Chair: Iris Sommer <i>A Molecular and Neural Circuitry Substrate for Cognitive Dysfunction in SZ</i>	
16:30 – 16:45	<b>Coffee break</b>	
16:45 – 17:00	<b>Robert-Sommer-Award</b> Chair: Christoph Mulert <b>Laudatio</b> Daniel Weinberger (stream)	
17:00 – 18:00	<b>Robert Sommer Lecture</b> Andreas Meyer-Lindenberg <i>Mechanisms of Risk- and resilience in schizophrenia</i>	
18:00 – 19:00	<b>Come Together</b>	
19:00 – 20:00	<b>Dinner</b>	

## Friday, 21st April 2023

8:00 – 9:00	<b>Meet the Expert</b> Christos Pantelis ( <b>stream</b> )
9:00 – 10:00	<b>Poster session</b>
10:00 – 10:15	<b>Coffee break</b>
10:15 – 12:00	<b>Presidential Symposium</b> 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	<b>Expert Class: State of the art of schizophrenia pharmacological treatment</b> Christoph Correll
13:00 – 14:00	<b>Lunch</b>
14:00 – 14:45	<b>Keynote</b> Daniel Weinberger ( <b>stream</b> ), Chair: Stefan Borgwardt <i>Genomic Insights about the Prenatal Origins of Behavioral Disorders</i>
14:45 – 15:30	<b>Keynote</b> Sir Robin Murray Chair: Bernd Gallhofer <i>An aetiological approach to the treatment of psychosis</i>
15:30 – 16:00	<b>Coffee break</b>
16:00 – 17:00	<b>GISS Lecture 2023</b> ( <b>stream</b> ), Chair: Christoph Mulert Thomas Südhof <i>Synapses in neuropsychiatric disorders: NRXN1 deletions and beyond</i>
17:00 – 17:30	<b>Refreshing</b>
17:30 – 18:15	(ca. 40 Min.) <b>Transport to Mathematikum Gießen</b>
18:15	<b>Mathematikum Gießen</b> Welcome (Albrecht Beutelspacher) <i>Welcome addresses:</i> Tobias Kaltenbach (CEO RHÖN-KLINIKUM AG) Boris Rhein, Minister-President of Hesse (Video)
18:30 – 19:30	<b>Dinner</b> Honorary Awards, Poster Awards
19:30 – 20:15	GISS Event at Mathematikum <b>Keynote</b> Peter Falkai, Chair: Alkomiet Hasan <i>Aerobic Exercise in Schizophrenia: Understanding and Cure</i>
20:15 – 21:45	<b>Cheese, Wine &amp; Music</b>
21:45 –	(ca. 40 Min.) <b>Transport to Schloss Rauschholzhausen</b>

## Saturday, 22nd April 2023

8:00 – 9:00	<b>Expert Class: DTI in schizophrenia research</b> Ofar Pasternak, Marek Kubicki, Amanda Lyall	
9:00 – 10:00	<b>Expert Class: Neurostimulation in schizophrenia</b> Sebastian Walther Christoph Mulert	<b>Expert Class: Implementation of evidence-based schizophrenia care</b> Alkomiet Hasan
10:00 – 10:15	<b>Coffee break</b>	
10:15 – 11:45	<b>Saturday Morning Symposium</b> 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	<b>Keynote</b> Iris Sommer, Chair: Sebastian Walther <i>Nutritional Psychiatry</i>	
12:30 – 13:30	<b>Lunch</b>	
13:30 – 15:00	<b>Closing (Neuroimaging) Symposium</b> 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	Characterization of the Extracellular Free Water Signal in Schizophrenia Using Multi-Site Diffusion MRI Harmonization ( <b>stream</b> )
	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**