Psychiatrische
Universitätsklinik Zürich

Veranstaltungsinformationen

Anmeldung
Ist nicht erforderlich

Kosten
Die Veranstaltung ist kostenlos

Anreise
Öffentliche Verkehrsmittel: Tram 11 Richtung Rehalp bis Haltestelle Balgrist oder Forchbahn S18 Richtung Forch / Esslingen bis Haltestelle Balgrist oder Bus 77 bis Haltestelle Flühgasse. Zirka 5 Minuten Fussweg ab Haltestellen

Scientific Seminar

On the challenges of predicting treatment response in schizophrenia

Prof. Dr. med. Philipp Homan, PhD
Feinstein Institute for Medical Research, New York
Zucker Hillside Hospital, New York

Freitag, 20. Juli 2018, 11:30 – 12:30 Uhr
Psychiatrische Universitätsklinik Zürich
Lenggstrasse 31, 8008 Zürich, Hörsaal Z1 03

Universität Zürich UZH

Dear colleagues

I am pleased to invite you to the Scientific Seminar with Prof. Philipp Homan. Philipp Homann completed his training in psychiatry and psychotherapy at the Department of Psychiatry, University of Berne, and is now Assistant Professor at the Feinstein Institute for Medical Research and the Zucker Hillside Hospital, New York, one of the worldwide leading clinical schizophrenia research centers.

In his talk, Philipp Homan will discuss evidence, chances and limiations of predicting treatment response in schizophrenia. It is a widely held belief that patients vary considerably in their response to antipsychotic drugs in randomized controlled trials (RCTs). This belief motivates the search for bio-markers and personalized treatments. Estimating individual drug response, however, is complex, and observed drug response sometimes taken as true drug response. In the first part of the talk, we will review the evidence for treatment response heterogeneity in RCTs of antipsychotics by assuming that a personal element of response should be reflected by a clinically relevant increase in overall variance in the treatment compared to the control group. In the second part, we will present a study in early-phase schizophrenia that uses mixed models to estimate individual response trajectories and graph theory to compute structural similarity networks in each participant. We show that the "hubness", i.e., the number of edges connecting a node to the rest of the cortical network, is associated with individual treatment response, consistent with the notion that the most prominent gray matter lesions involve highly connected frontotemporal hubs in schizophrenia.

I am looking forward to this seminar and a fruitful discussion.

Best wishes

Prof. Dr. med. Erich Seifritz

Programme

11:30 – 11:35	Introduction **Erich Seifritz**
11:35 – 12:20	On the challenges of predicting treatment response in schizophrenia **Philipp Homan**
12:20 – 12:30	**Discussion**

Prof. Dr. med. Philipp Homan, PhD

Dr. Homan grew up and went to medical school in Vienna, Austria. He completed his residency and an MD-PhD programme in Psychiatry at the University of Berne, Switzerland, where he also worked as an attending physician. A grant by the the Swiss National Science Foundation in 2015 allowed him to spend two years at Mount Sinai School of Medicine in New York with Daniela Schiller, PhD, an expert in the neural mechanisms of affective flexibility. At Mount Sinai, Dr. Homan was able to extend his knowledge of affective disorders and computational methods, and to collaborate with experts at Yale, NYU, Beijing, Zurich, and Edinburgh. In 2017, Dr. Homan joined the faculty at The Feinstein Institute for Medical Research and The Zucker Hillside Hospital in New York, where he is currently working on understanding the complex process of individual treatment response.