Technical advances and methodological issues in measuring functional and structural brain connectivity: multimodal human imaging methods, animal models, and applications in neurological diseases, psychiatric disorders and pharmacological treatment.
The Fifth Biennial Conference on Resting State / Brain Connectivity will be hosted by the Center for Medical Physics and Biomedical Engineering, the Department of Psychiatry and Psychotherapy, Medical University of Vienna and the Social, Cognitive and Affective Neuroscience Unit, University of Vienna, Austria.

The conference will be held at the University of Vienna, Austria, from September 21-23, 2016. The three day format of the meeting consists of lectures by world leaders in the field of resting state / brain connectivity.

Previous conferences included speakers like Thomas Insel MD (Director of the National Institute of Mental Health), Bruce Rosen MD PhD (Director of the Athinoula A. Martinos Center for Biomedical Imaging at Massachusetts General Hospital), and David Van Essen PhD (Alumni Endowed Professor in the Anatomy & Neurobiology Department at Washington University in St. Louis) and are highlighted in the Program section of this brochure on page 5.
GENERAL INFORMATION

Local Organizing Committee
Christian Windischberger, PhD – Chair
Center for Medical Physics and Biomedical Engineering, Medical University of Vienna, Austria

Claus Lamm, PhD
Social, Cognitive and Affective Neuroscience Unit, University of Vienna, Austria

Rupert Lanzenberger, MD
Department of Psychiatry and Psychotherapy, Medical University of Vienna, Austria

International Organizing Committee
Bharat Biswal, PhD
New Jersey Institute of Technology, NJ, USA

Mark Lowe, PhD
Cleveland Clinic, OH, USA

Christopher Pawela, PhD
Medical College of Wisconsin, WI, USA

Martin Walter, MD PhD
Otto v. Guericke University, Magdeburg, Germany

Susan Whitfield-Gabrieli, PhD
Massachusetts Institute of Technology (MIT), MA, USA

Date & Time
Wednesday, September 21, 2016 8:00am to 5:00pm
Thursday, September 22, 2016 8:00am to 5:00pm
Friday, September 23, 2016 8:00am to 4:00pm

Conference Homepage
www.restingstate.com

Graphics & Layout
Andreas Schmidt
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Medical University of Vienna
The organizing committee for 2016 will put together a program with more than 40 speakers who will present their latest work on technical advances and methodological issues in measuring functional and structural brain connectivity. This includes multimodal human imaging methods as well as animal models. Approximately one third of the conference will be dedicated to applications of brain connectivity measures in neurological and psychiatric disorders such as schizophrenia, depression, Alzheimer’s disease and pharmacological treatment. There will also be a special session dedicated to emerging technologies.
2014 keynote speakers included:

THOMAS INSEL MD, Director, National Institute of Mental Health, Bethesda, MD and one of the Principal Investigators of the Brain Research through the Advancing Innovative Neurotechnologies Initiative that was announced by President Barack Obama on April 3, 2013 (BRAIN Initiative; $100 million).

BRUCE ROSEN MD PHD, Director, Athinoula A. Martinos Center for Biomedical Imaging, MGH, Charlestown, MA and Principal Investigator of the NIH funded Human Connectome Project MGH/UCLA Consortium.

DAVID VAN ESSEN PHD, Alumni Endowed Professor of Anatomy & Neurobiology, Washington University, St. Louis, MO. He has pioneered the use of surface-based analysis methods to characterize the structure, function, development, and connectivity of the cerebral cortex and is co-Principal Investigator of the Human Connectome Project WU/Minn Consortium.

Other 2014 speakers included:

KARL ZILLES PHD, JARA-Professor of Brain Research at the Research Centre Jülich, works on ultrahigh-resolution 3D imaging of fibre tracts in the human brain.

PETER BANDETTINI PHD, Chief of the Section on Functional Imaging Methods at the NIMH.

RANDY BUCKNER PHD, Professor of Psychology and Neuroscience at Harvard University and Director of the Massachusetts General Hospital Psychiatric Neuroimaging Research Program.

HELEN MAYBERG MD, Professor of Psychiatry, Neurology, and Radiology at Emory University School of Medicine, known for her work which led to the first pilot study of deep brain stimulation, a reversible method of selective modulation of a specific brain circuit for patients with treatment-resistant depression.

REISA SPERLING MD, Professor of Neurology at Harvard Medical School and Brigham and Women's Hospital. She is Principal Investigator of the highly anticipated Anti-amyloid Treatment in Asymptomatic Alzheimer’s disease prevention clinical trial (A4 trial).

KAMIL UGURBIL, PHD, the McKnight Presidential Endowed Chair of Radiology at the University of Minnesota and also co-Principal Investigator of the Human Connectome Project WU/Minn Consortium.

For an up-to-date list of all 2016 speakers please check the Program page at: http://www.restingstate.com
Target Groups & Marketing

TARGET GROUPS
Staff level physicians and scientists from major universities, research institutes, and medical schools from around the world. Participants will also include trainee level individuals such as post-doctoral fellows, residents, and graduate students in fields Neurology, Radiology, Psychiatry, Psychology, Psychopharmacology, Biophysics, Neurophysiology, Neurosurgery

EXPECTED NUMBER OF PARTICIPANTS: At least 600

ADVERTISING EFFORTS OF CONFERENCE ORGANIZER
- Conference homepage http://www.restingstate.com
- Online Mailing of:
  - Invitation flyer in November 2015 – Save the date
  - Call for Abstracts in February 2016
  - Program brochures in August 2016
- Cooperation with related associations and professional societies
- Announcement in different professional journals (ads, supplements, event calendars)
- Announcements in online calendars

ATTENDANCE

The first meeting in Magdeburg Germany in 2008 was attended by around 150 scientists and clinicians. During the second meeting, held in Milwaukee WI in 2010, attendance grew to approximately 350. For the third meeting, which took place in 2012, attendance expanded to approximately 500. The fourth meeting in Boston MA had over 600 attendees. This steady increase in attendance reflects the burgeoning interest in the field. For the Fifth Conference on Resting State / Brain Connectivity, to be held in Vienna from September 21-23, 2016, the number of attendees is expected to exceed 700, reflecting the still growing interest and activity in the field of functional and structural brain connectivity.