



7:00-8:00 AM

Registration and Breakfast-First Floor

8:00-9:50 AM

Press and Media coverage

10:00-10:10 AM

Carsten Claussen, PhD, Local Organizing Chair of N20, Director Fraunhofer IME ScreeningPort, Professor for Informatics Heinz Nixdorf Institute Paderborn

"Welcoming Message"

10:10-10:20 AM

Babak Kateb, M.D., Neuroscience-20+/G20+ World Brain Mapping Initiative Chairman, Founding Chairman of the Board of SBMT, President of BMF, Scientific Director of California Neurosurgical Institute

"USA-N20+ (from BRAIN Initiative to N20+)"

10:20-10:30 AM

Nevzat Tarhan, M.D., President and Professor of Psychiatry Üsküdar University, Istanbul, Turkey; Vice Chairman of Neuroscience-20+, Member of the Board of SBMT

"Turkish N20+ Initiative (Update)"

10:30-10:40 AM

Kuldip Sidhu, Ph.D., Professor of Stem Cell, University of New South Wells (UNSW), Sydney Australia, Vice-Chairman of Neuroscience-20+, Member of the Executive Board of SBMT, Member of the Board of Brain Mapping Foundation USA; President of Brain Mapping Foundation-Australia

"New frontiers in tackling brain disorders – an Australian perspective for G20/N20"

10:40-11:10 AM

Coffee Break

Scientific Session 1:
11:10 AM-12:00 NOON
Chair: Dr. Carsten Claussen

11:10-11:20 AM

Siawoosh Mohammadi, PhD., Medical Center Hamburg-Eppendorf UKE, Center for Experimental Medicine, head of research group: Quantitative MRI and in vivo histology
"Validating in vivo histology using MRI".

11:20-11:30 AM

Benjamin Schattling, PhD, Center for Molecular Neurobiology Hamburg (ZMNH)
"Cellular mechanisms of neuronal injury and repair"

11:30-11:40 AM

Ole Pless, PhD, Fraunhofer IME ScreeningPort, Head translational science and lab head ZMNH
"iPSC derived neurons as tool for drug discovery"

11:40-11:50 AM

Christina de Bruyn Kops MSc, Center for Bioinformatics University of Hamburg, Research Group for Cheminformatics and Applied Molecular Models
"Novel computational approaches for early drug discovery"

11:50-12:00 PM

Q/A

Working Lunch 12:10-12:40 PM

Luncheon Keynote

Prof. Arne May, MD, Medical Center Hamburg-Eppendorf UKE Center for Experimental Medicine, Deputy Director of the Institute of Systems Neuroscience, Head of headache outpatient clinic
"Imaging Migraine from generators to networks"

Scientific Session 2:

1:30-2:30 PM

Chair: Dr. Nevzat Tarhan

1:30-1:40 PM

Hinrich Habeck, PhD, Managing Director Life Science Nord Cluster
"Welcome Address on behalf of the City of Hamburg and Germanys Biotech Regions"

1:40-1:50 PM

Nevzat Tarhan, MD, President of Üsküdar University, Professor and Chair of Psychiatry, Üsküdar University, Istanbul, Turkey

"The future of psychiatric neuroscience"

1:50-2:00 PM

Baris Metin, MD, Associate Professor of Psychiatry, Üsküdar University, Istanbul Turkey

"Brainpark, Business Incubator for neurotechnology startups"

2:00-2:10 PM

Serdar Karagoz, MSc, Administrative Director, Office of the President, Üsküdar University, Istanbul, Turkey

"Brain Hospital of the Future concept"

2:10-2:20 PM

Kaya Aksoy, MD, Professor of Neurosurgery, Üsküdar University, Istanbul, Turkey

"Neurosurgical concept in the Brain Hospital"

2:20-2:30 PM

Yao Lu, MD, President of SBMT-China

"International medical cooperation and challenges in the new situation"

2:30-3:00 PM

Break

Scientific Session 3:

3:00-4:00 PM

Chair: Dr. Ken Green

VP of Brain Mapping Foundation and Member of the Executive board of SBMT

3:00-3:10 PM

Mike Roy, MD, MPH, Member of the Board of SBMT, Past President of SBMT, Professor of Internal Medicine, Uniformed Services University Health System (USUHS), Ret. Colonel, United States Army, Washington DC, USA

"Single and Multiple Traumatic Brain Injuries, Posttraumatic Stress Symptoms, and Cognitive Performance in Military Service Members"

3:10-3:20 PM

Antonio A.F. De Salles, M.D., Ph.D., Professor Emeritus of Neurosurgery – UCLA, Departments of Neurosurgery and Radiation Oncology, USA, Head HCor Neuroscience, Brazil, President of the Ibero-Latin American Radiosurgery Society, President of the International Stereotactic Radiosurgery Society (ISRS), Vice Chairman of N20/G20 World Brain Mapping Initiative-Brazil,

President of SBMT-Brazil

"Neuromodulation in Depression and Morbid Obesity"

3:20 -3:30 PM

Babak Kateb, M.D., Neuroscience-20+/G20+ World Brain Mapping Initiative Chairman, Founding Chairman of the Board of SBMT, President of BMF, Scientific Director of California Neurosurgical Institute

"NanoBioElectronics: Integrating nanotechnology, stem cell, AI, Imaging and Neurophotonics"

3:30-3:40 PM

Vicky Yamamoto, PhD, Cancer Scientist, Department of Head and Neck Surgery, USC-Keck School of Medicine, Member of the Executive Board of SBMT, Member of the Board of Brain Mapping Foundation and Executive Director of SBMT, USA

"Cancer Moonshot: Past, Current and the Future state-of-the-science"

3:40-3:50 PM

Ken Green, DDS, VP of Brain Mapping Foundation, Members of the Executive Board of SBMT

"Translational Research and Regenerative Medicine - the Military Experience"

3:50-4:00 PM

Q/A

4:00-4:30 PM

Break

4:30-5:00 PM

Keynote 2

Juliane Fluck, Ph.D., Head of Bioinformatics department of Fraunhofer Institute for Algorithms and Scientific Computing SCAI, Sankt Augustin

"Semantic integration and modeling of neurodegenerative diseases"

5:00-5:10 PM

Q/A

5:10-5:20 PM

Carsten Claussen, Ph.D, Head of the German Medical Data Space Initiative from Fraunhofer

"Do we need a WHITENET to drive science and access real world evidence data"

5:20-5:30 PM

Nils Drews, MD PhD, CSO dontbepatient GmbH

"Translate Patient experience into translational science: dontbepatient"

5:30-5:40 PM

Markus Wenzel, PhD, Senior Scientist Cognitive Medical Computing Fraunhofer MEVIS
"From Machine Learning to Deep Learning in Medical Imaging and Image Analysis"

5:40-5:50 PM

Goetz Thomalla, MD, Professor at Head and Neurocenter Department of Neurology. Speaker of Hamburg City Health Study
"Neuroepidemiological studies as element of the ambitious HCHS"

5:50-6:00 PM

Madhavan Nair, Ph.D., Distinguished Professor and Chair, Department of Immunology, Director, Institute of NeuroImmune Pharmacology College of Medicine, Associate Dean of Bio-Medical Research, Associate Vice President for NanoMedicine, Florida International University

6:00-6:20 PM

Break

6:20-6:50 PM

Roundtable discussion and summit conclusion

Co-Chair: Nevzat Tarhan, Babak Kateb, Carsten Claussen, Kuldip Sidhu