Speakers

Marilyn Albert, Ph.D.
Professor of Neurology, Director, Division of Cognitive Neuroscience, JHUSOM

William S. Anderson, M.D., Ph.D.
Associate Professor of Neurological Surgery and Biomedical Engineering, JHUSOM

Chetan Bettegowda, M.D., Ph.D.
Assistant Professor of Neurological Surgery and Oncology, JHUSOM

Henry Brem, M.D.
Harvey Cushing Professor, Professor of Neurosurgery, Ophthalmology, Oncology and Biomedical Engineering, Director, Department of Neurosurgery, Huntenian Neurosurgical Research Laboratory, JHUSOM

Peter A. Calabresi, M.D.
Director, Division of Immunology and The Johns Hopkins Multiple Sclerosis Center, Professor of Neurology, JHUSOM

Nathan E. Crone, M.D.
Co-Director, Clinical Neurophysiology Fellowship Program, Associate Professor of Neurology, JHUSOM

Ted M. Dawson, M.D., Ph.D.
Director, Institute for Cell Engineering, Director, Morris K. Udall Parkinson’s Disease Research Center, Leonard and Madlyn Abramson Professor in Neurodegenerative Diseases, Professor, Departments of Neurology, Neuroscience and Pharmacology and Molecular Sciences

J. Raymond DePaulo, M.D.
Henry Phпис Professor and Director of Psychiatry and Behavioral Sciences, JHUSOM

B. Indira Devi, MBBS, M.S., M.Ch.
Professor and Head, Department of Neurosurgery, NIMHANS

Joshua B. Even, M.D.
Director of Clinical Neurophysiology Laboratory, Kennedy Krieger Institute

Michela Gallagher, Ph.D.
Krieger-Eisenhower Professor of Psychology & Neuroscience, Department of Psychological and Brain Sciences, JHUSOM

Satish Chandra Girimaji, M.D.
Professor and Head, Department of Child and Adolescent Psychiatry, NIMHANS

Harsha Gowda, Ph.D.
Faculty Scientist, Institute of Bioinformatics

John P. John, M.D.
Additional Professor of Psychiatry and Adjunct Faculty Member, Department of Clinical Neuroscience, NIMHANS

Sujatha Kannan, M.D.
Research Scientist, Hugo Moser Research Institute, Kennedy Krieger Institute, Associate Professor of Anesthesiology and Critical Care Medicine, JHUSOM

Landon S. King, M.D.
Executive Vice Dean, Director of the Division of Pulmonary and Critical Care Medicine, David Marine Professor of Medicine and Biological Chemistry, JHUSOM

Raymond C. Koehler, Ph.D.
Professor, Department of Anesthesiology and Critical Care Medicine, JHUSOM

Rebecca Landa, Ph.D.
Director, Center for Autism and Related Disorders (CARD), Kennedy Krieger Institute

John J. Laterra, M.D., Ph.D.
Professor, Departments of Neurology, Neuroscience and Oncology, Director, Division of Neuro-Oncology, JHUSOM and the Kennedy Krieger Research Institute

Jennifer Lee, M.D.
Associate Professor, Departments of Pediatrics, Anesthesiology and Critical Care Medicine, Division of Pediatric Anesthesiology, Bloomberg Children’s Center, JHUSOM

Frederick A. Lenz, M.D.
A Earl Walker Professor, Director, Functional Neurosurgery, Professor, Neurology and Orthopedic Surgery, JHUSOM

Guo Li Ming, M.D., Ph.D.
Professor of Neurology and Neuroscience, JHUSOM

J. Raymond DePaulo, M.D.
Director, Institute for Cell Engineering

Justin McArthur, MBBS, MPH
Director, Department of Neurology, Professor of Neurology, Pathology, Epidemiology and Medicine, JHUSOM

Michael I. Miller, Ph.D.
Herschel and Ruth Seder Professor, Director, Center for Imaging Science, JHU-BAME

Stewart H. Mostofsky, M.D.
Professor of Neurology and Psychiatry, Bata Family Foundation Research Chair, Director, Center for Neurodevelopmental and Imaging Research, Medical Director of CARD, Kennedy Krieger Institute, Professor of Neurology, JHUSOM

Avindra Nath, M.D.
Clinical Director, National Institute of Neurological Disorders and Stroke (NINDS), Chief of Section of Infections of the Nervous System and Director of Translational Neuroscience Center, NIH

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Y. C. Anandh Reddy, M.D., D.P.M.
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Partha Saradhy Satishchandra, MBBS, D.M., MAMS
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Robert D. Stevens, M.D.
Associate Professor of Anesthesiology Critical Care Medicine, Neurology, Neurosurgery, and Radiology, JHUSOM, Affiliate Faculty, Johns Hopkins Institute for Cell Engineering; Faculty, F.M. Kirby Center for Functional Brain Imaging, Kennedy Krieger Institute

Arun Venkatesan, M.D., Ph.D.
Associate Director, Neurology Residency Program and Assistant Professor of Neurology, JHUSOM

Daniel Weinberger, M.D.
Director and Chief Executive Officer, The Lieber Institute for Brain Development, Professor, Departments of Psychiatry, Neurology, Neuroscience and The Institute of Genetic Medicine, JHUSOM

For more information, contact: awashi16@jhmi.edu
WEDNESDAY, FEBRUARY 25, 2015

07:30 - 08:00  Registration and Breakfast
08:00 - 08:05  Welcome and Introduction
               Robert Stevens, Akhilesh Pandey
08:05 - 08:10  International Scientific Collaborations as a Strategic Aim
               Landon King
08:10 - 08:20  Translational Neuroscience: Johns Hopkins Neurosurgery
               Henry Biern
08:20 - 08:30  Translational Neuroscience: Johns Hopkins Psychiatry
               Ray de Paulo
08:30 - 08:40  Translational Research Priorities at NIMHANS
               P. Satishchandra
08:40 - 08:50  Translational Neuroscience: Johns Hopkins Neurology
               Justin McArthur
08:50 - 09:00  The Lieber Institute for Brain Development
               Daniel Weinberger

KEYNOTE 1
09:00 - 09:30  Neurobiology of Memory Loss
               Michela Gallagher

KEYNOTE 2
09:30 - 10:00  Thalamo-Cortical Interactions and the Processing of Pain and Fear
               Fred Lenz

Break
10:00 - 10:15

DEVELOPMENTAL DISORDERS
10:15 - 10:45  Autism: Social and Communication Predictors
               Rebecca Landa
10:45 - 11:15  Biological Underpinnings of Autism
               Shoba Srinath
11:15 - 11:45  Anomalous Motor Physiology in ADHD
               Stewart Mostofsky
11:45 - 12:15  EEG-Based Functional Connectivity in Autism
               Josh Ewen
12:15 - 13:00  Genetic Studies in Intellectual Disability
               Satish Girimaji
13:00 - 13:30  Lunch

EPILEPSY AND SLEEP
13:30 - 14:00  Translational Research in Epilepsy: NIMHANS Experience
               P. Satishchandra
14:00 - 14:30  Electroconvulsive Mapping: Seizure Localization and other Applications
               Nathan Crane
14:30 - 15:00  Computational Modeling of Epileptic Activity
               W. Stanley Anderson
15:00 - 15:15  Break

NEUROINFLAMMATORY AND NEUROINFECTION DISORDERS
15:15 - 15:45  Diagnostic Approach in Encephalitis
               Arun Venkatesan
15:45 - 16:15  Pathobiological Markers of JC Virus Infection and Progressive Multifocal Leukoencephalopathy
               Avindra Nath
16:15 - 16:45  Neonatal and Pediatric Markers of Neuroinflammation
               Sujatha Kannian
16:45 - 17:15  Advanced imaging to Track Neurodegeneration in MS
               Peter Calabresi

THURSDAY, FEBRUARY 26, 2015

07:30 - 08:00  Registration and Breakfast
08:00 - 08:30  Quantitative Brain Mapping in Neurological Disorders
               Michael Miller

KEYNOTE 3
08:30 - 09:00  GDE: Roles in Neuronal Differentiation and Neurodegeneration
               Shan Sockanathan

NEURODEGENERATIVE DISORDERS
09:00 - 09:30  Biomarkers of Preclinical AD: The Challenge of Differentiating Aging from Early AD
               Marilyn Albert
09:30 - 10:00  Parkinson’s Disease with Psychosis, REM Sleep Behavior Disorder and Impaired Cognition: Is It a Distinct Phenotype?
               Pramod Pal
10:00 - 10:30  Molecular Biomarkers in Parkinson’s Disease
               Ted Dawson
10:30 - 10:45  Break

BRAIN TUMORS
10:45 - 11:15  Proteomics for Investigation of Neurological Disorders
               Harsha Gowda
11:15 - 11:45  Glioblastoma Stem Cells
               John Laterra
11:45 - 12:15  Cell Free Tumor DNA as a Diagnostic Tool in Managing Brain Tumors
               Chetan Bettegowda
12:15 - 13:00  Lunch

PSYCHIATRIC DISORDERS
13:00 - 13:30  Translating Genetic Risk into Illness Mechanisms
               Daniel Weinberger
13:30 - 14:00  Early Detection and Intervention for Schizophrenia: Cross-Talk of Stress Signaling and Neural Circuitry Deficits
               Akira Sawa
14:00 - 14:30  Schizophrenia Susceptibility Genes and Human Neurogenesis
               Guo Li Ming
14:30 - 15:00  Pathophysiological Insights from Neuroimaging Studies in Schizophrenia
               John P. John
15:00 - 15:30  Neuropsychological and Neuroimaging Endophenotypes of OCD
               Janardhan Reddy
15:30 - 15:45  Break

ACUTE BRAIN INJURY
15:45 - 16:15  The Need to Look Beyond ICP and CPP as Markers of Outcome in TBI
               G.S. Umamaheswara Rao
16:15 - 16:45  Lipid Mediators in Neurologic Injury
               Ray Koehler
16:45 - 17:15  Neuronal and Glial Cell Death after Pediatric Cardiac Arrest
               Jennifer Lee
17:15 - 17:45  Neuroplasticity in Mild Head Injury: Resting State fMRI, DTI and Volumetric Analysis
               B. Indira Devi
17:45 - 18:00  Concluding Remarks
               Robert Stevens, Akhilesh Pandey

This program is subject to change.