

DAY 1 PROGRAM

8:00 AM - 8:30 AM

REGISTRATION AND BREAKFAST

8:30 AM - 10:00 AM

INTRODUCTION

Session Chair: Ann Choe, PhD - Assistant Manager, F.M. Kirby Research Center for Functional Brain Imaging, KKI; Assistant Professor, Department of Radiology, JHU

8:30 AM – 8:50 AM

WELCOME ADDRESS

Bradley Schlaggar, MD, PhD - President and Chief Executive Officer, KKI

Amy Bastian, PhD, PT - Chief Science Officer and Director, KKI

Ali Fatemi, MD, MBA - Chief Medical Officer, KKI

Zaver Bhujwalla, PhD - Vice Chair of Research, Department of Radiology, JHU

8:50 AM - 9:20 AM

F.M. KIRBY CENTER: PAST, PRESENT AND FUTURE

Peter van Zijl, PhD - Director, F.M. Kirby Research Center for Functional Brain Imaging, KKI; Professor of Radiology, JHU

9:20 AM - 9:50 AM

F.M. KIRBY AND FRIENDS

Gary Goldstein, MD - Former President and Chief Executive Officer, KKI

Elias Zerhouni, MD, PhD - Former Chair of Radiology, JHU (1996-2002)

Jonathan Lewin, MD, FACR - Former Chair of Radiology, JHU (2004-2016)

Michael Miller, PhD - Director, Department of Biomedical Engineering, JHU

Ryan Robison, PhD - Director, MR Clinical Science, Philips North America

9:50 AM - 10:00 AM

AWARD CEREMONY

10:00 AM - 10:30 AM

COFFEE BREAK

10:30 AM - 12:30 PM

SESSION 1 - IMAGING OF THE DEVELOPING BRAIN IN HEALTH AND DISEASE

Session Chair: Stewart Mostofsky, MD - Director, Center for Neurodevelopmental and Imaging Research, KKI; Professor of Neurology, JHU

10:30 AM - 11:00 AM

KEYNOTE: Heather Volk, PhD, MPH - Associate Professor of Mental Health, JHU
Baltimore Healthy Brain and Child Development Study (HBCD)

11:00 AM - 11:15 AM

Richard Edden, PhD - Professor of Radiology, JHU
MRS and HBCD in the USA: An Acronym-Dominated Lecture

11:15 AM - 11:30 AM

Mary Beth Nebel, PhD - Research Scientist, KKI; Assistant Professor of Neurology, JHU
Functional MRI in ADHD and Autism

11:30 AM - 11:45 AM

Marina Bedny, PhD - Associate Professor of Psychological and Brain Sciences, JHU
Plasticity in Congenitally Blind Individuals

11:45 AM – 11:55 AM

Yulu Song, MD – Research Associate of Radiology, JHU
Brain Glutathione and GABA+ Levels in Autistic Children

11:55 AM - 12:05 PM

Laura Rice, PhD - Health Scientist, FDA
Innovative Use of 7T MRI to Examine Cerebellar Structure and Function in Autism and Other Developmental Disorders

12:05 PM - 12:20 PM

Kenichi Oishi, MD, PhD - Professor of Radiology and Neurology, JHU
AI-Driven Quantification of Neonatal Brain MRI for Enhanced Clinical Decision Making

12:20 PM - 12:30 PM

Reflections by the Chair

12:30 PM - 1:30 PM

LUNCH BREAK

1:30 PM - 3:30 PM

SESSION 2 - PERSONALIZED MEDICINE & IMAGING BIOMARKERS

Session Chair: Peter van Zijl, PhD - Director, F.M. Kirby Research Center for Functional Brain Imaging, KKI; Professor of Radiology, JHU

1:30 PM - 2:00 PM

KEYNOTE: Andreia Faria, MD, PhD - Associate Professor of Radiology, JHU
Large Datasets and Automated Reading in Personalized Medicine

2:00 PM - 2:15 PM

Susumu Mori, PhD - Professor of Radiology, JHU
Towards Personalized Medicine in Japan

2:15 PM - 2:30 PM

Xu Li, PhD - Research Scientist, KKI; Associate Professor of Radiology, JHU
Magnetic Susceptibility as a Biomarker in Neurodevelopment and Neurodegeneration

2:30 PM - 2:45 PM

Hye-Young Heo, PhD - Associate Professor of Radiology, JHU
MR Fingerprinting of Imaging Biomarkers

2:45 PM - 3:00 PM

Doris Lin, MD - Professor of Radiology, JHU
Neuroradiologist Perspective on Imaging Biomarkers

3:00 PM - 3:10 PM

Hyeong-Geol Shin, PhD - Research Scientist, KKI; Research Associate of Biomedical Engineering, JHU
Towards New Imaging Biomarkers for Multiple Sclerosis

3:10 PM - 3:20 PM

Yuto Uchida, MD - Postdoctoral Fellow of Radiology, JHU
Micro-Scaled Anatomical MRI of Preclinical Alzheimer's Disease Biomarkers for Neurodegeneration

3:20 PM - 3:30 PM

Reflections by the Chair

3:30 PM - 4:00 PM

PANEL DISCUSSION: Marilyn Albert, PhD – Professor of Neurology, JHU; Brian Caffo, PhD - Professor of Biostatistics, JHU; Peter Cabelresi, MD - Professor of Neurology; Doris Lin, MD - Professor of Radiology, JHU
Precision Medicine Uncovered: The Role of Imaging Biomarkers and AI

4:00 PM - 5:45 PM

SIPS OF NOSTALGIA

Session Chair: Peter van Zijl, PhD - Director, F.M. Kirby Research Center for Functional Brain Imaging, KKI; Professor of Radiology, JHU

4:00 PM - 4:20 PM

Get a Drink

4:20 PM - 4:30 PM

James Pekar, PhD - Manager and Research Coordinator, F.M. Kirby Research Center, KKI; Professor of Radiology, JHU

4:30 PM - 4:40 PM

Paul Bottomley, PhD - Professor Emeritus of Radiology, Former Director Division of MRI Research, JHU

4:40 PM - 4:50 PM

Risto Kauppinen, MD, PhD - Professor Emeritus of Psychological Science, University of Bristol

4:50 PM - 5:00 PM

Peter Luyten, PhD - Vice-dean Utrecht Life Sciences, Utrecht University, formerly Philips Healthcare

5:00 PM - 5:10 PM

Xavier Golay, PhD - Chief Executive Officer, Gold Standard Phantoms; Honorary Professor of MRI Physics, University College London

5:10 PM - 5:20 PM

Peter Barker, DPhil - Director, Division of MRI Research; Professor of Radiology, JHU

5:20 PM - 5:45 PM

Mingle