

## 20<sup>th</sup> April' 2017- Thursday

**Room: South Galeria Biltmore Bowl**

**Session - C43 - Translational Technologies**

10:00-11:30 AM

Chair – John George

10:00-1:15

**William Tyler**, Associate Professor, *Acoustic Neuromodulation*

Affiliations: Arizona State University, Biological and Health Systems Engineering Acoustic Neuro modulation

1:15-10:30

**John George**, R&D Scientist and Deputy Group Leader, Los Alamos National Laboratory: Applied Modern Physics, P-21

*Technologies for Focusing Ultrasound Inside the Skull*

10:30-10:45

**Vince Clark**, Director, Psychology Clinical Neuroscience Center, Professor of Psychology and Neuroscience, Professor of Translational Neuroscience, The University of New Mexico. The MIND Research Network.

*Noninvasive Neuromodulation by Direct Electrical Stimulation*

10:45-11:00

**Pulak Nath.**, Research and Development Scientist, Los Alamos National Laboratory: Applied Modern Physics, P-21

*Strategies for a Biohybrid Neural Interface*

11:00-11:15

**Giorgio Bonmassar**, Assistant Professor, *Driving Neurons with Microscopic Magnetic Stimulation*

Harvard Medical School, Harvard/MIT/MGH Martinos Center for Biomedical Imaging.

**Q/A 11:15-11:30**

**Lunch and Luncheon Keynotes**

**11:30 AM-1:00 PM**

## 20<sup>th</sup> April' 2017- Thursday

**Room: Galeria Emerald Room**

**Session - C44 - Brain Mapping and Therapeutics in Skull Base and Tumors.**

10:00-11:30 AM

Co-Chairs: Martin Mortazavi & Lalgam Sekhar

10:00-10:15

**Tiffany Powell Avila**, Attending Neurosurgeon, Providence Holy Cross

Controversies on Modern Glioma Management.

10:15-10:30

**Bjorn Lobo**, Attending Neurosurgeon, Northridge Hospital/California Neurosurgical Institute

Controversies in Endoscopic Skull Base Surgery

10:30-10:45

**Lalgam Sekhar**, Professor and Vice Chairman, Department of Neurological Surgery, Harborview Medical Center, UW Medicine, Harborview Medical Center, University of Washington

Talk Title: Management of TuberculumSella and Olfactory Groove Meningioma and New Classification

10:45-11:00

**Martin M. Mortazavi**, Attending Neurosurgeon. Director, Cerebrovascular and Skull Base program California Institute of Neuroscience, Los Robles Hospital. Medical Staff at Cedars Sinai Medical Center

The role of safe entry zone for resection of brain stem lesions

11:00-11:15

**Lalgam Sekhar**, Professor and Vice Chairman, Department of Neurological Surgery, Harborview Medical Center, UW Medicine, Harborview Medical Center, University of Washington

Approaches and controversies in management of Brainstem lesions

**Q/A 11:15-11:30**

**Lunch and Luncheon Keynotes**

**11:30 AM-1:00 PM**

## 20<sup>th</sup> April' 2017- Thursday

**Room: Roman Room**

**Session - C45 - Digital Brain Mapping (Virtual Reality, Augmented Reality & Gamming)**

10:00-11:30 AM

Co-Chairs: Kim Bullock & Babak Kateb

10:00-10:15

**P. Elizabeth Amini**, Adjunct Professor, USC Marshall School of Business, CEO & Co-Founder, Anti-Aging Games, LLC, President & Co-Founder, Trojan CEO Network

The Future of Scientific Games in Neuroscience

10:15-10:30

**Angelika Domschke**, President - AD Consulting, LLC, AD Consulting, LLC (Innovation in Biomedical Science), Atlanta, GA, USA

The effects of various stimuli on the brain that promote health: A new paradigm in health education.

10:30-10:45

**Wes Ashford**, Clinical Professor (affiliated), Affiliations: Department of Psychiatry and Behavioral Sciences, Stanford; VA Palo Alto HCS)

MemTrax: an internet tool for assessing memory function used in the Brain Health Registry

10:45-11:00

**Carr J. Smith**, Teaching Faculty, Florida State University Nurse Anesthesia Program

Non-Invasive MemTrax Evaluation of Episodic Memory Pre- and Post-General Anesthesia for Cardiac Surgery

11:00-11:15

**W. Edward Johansen**, Regulatory consultant

Navigating FDA regulations to clear tools for brain function assessment. Example: computerized cognitive testing

**Q/A 11:15-11:30**

**Lunch and Luncheon Keynotes**

**11:30 AM-1:00 PM**

## **20<sup>th</sup> April' 2017- Thursday**

*Room: Galeria Tiffany Room*

**Session - C46 - Neurophotonic and Brain Mapping**

10:00-11:30 AM

Co-chairs: Vassiliy Tsytsarev & Fartash Vasefi

10:00-10:15

**Mohamadreza Avanaki**, Assistant Professor of Wayne University

Photoacoustic Imaging: A Novel Neuroimaging Modality to Explore The Brain

10:15-10:30

**Nasser H. Kashou**, Associate Professor, Wright State University

Potential of fNIRS to monitor and assess touch therapy

10:30-10:45

**Sebastian (Nino) Karpf**, Postdoctoral Fellow, University of California Los Angeles

Spectro-temporal Multiphoton Microscopy

10:45-11:00

**Ning Zhong**, Head of Knowledge Information Systems Laboratory, Department of Life Science and Informatics, Maebashi Institute of Technology, Japan

Brain Big Data Based Wisdom Service A Brain Informatics Based Systematic Approach

11:15-11:30

**Deborah Zelinsky**, The Mind-Eye Connection, Northbrook, IL USA

The pivotal role of the retina photonics in CNS changes

**Q/A 11:30-11:45**

**Lunch and Luncheon Keynotes**

**11:45 AM-1:00 PM**

## **20<sup>th</sup> April' 2017- Thursday**

**Room: Cordoban Room**

**Session - C47 - Brain vascular, Blood flow, Fractal Geometry & Computational Clinical Neuroscience**

10:00-11:30 AM

Chair - Antonio Di Ieva

**Ruogu Fang**, Assistant Professor School of Computing and Information Sciences, Florida International University

*Big Medical Data for Brain Informatics*

**Antonio Di Ieva**, Attending Neurosurgeon, Associate Professor of Neuroanatomy

Macquarie University, Sydney, Australia

*The Fractal Fingerprinting of the Brain*

**Misha Pesenson**, Sr. Res. Scientist, JCAP, California Institute of Technology

*Neuronal Networks and Adaptive Multiscale Information Processing*

**Renaud Lopes**, Research Scientist, Clinical imaging core facility, Univ. Lille, Inserm, CHU Lille, U1171 – Degenerative & vascular cognitive disorders, F-59000 Lille, France

*Study of self-similarity of brain networks in Parkinson disease*

**Sakhrat Khizroev**, Fellow of National Academy of Inventors, Professor, Department of Electrical and Computer Engineering, CEC. Professor, Department of Cellular Biology and Pharmacology, Florida International University, Miami, FL

*Technobiology approach to treating neurodegenerative diseases with magnetoelectric nanoparticles.*

**Q/A 11:15-11:30**

**Lunch and Luncheon Keynotes**

**11:30 AM-1:00 PM**

## **20<sup>th</sup> April' 2017- Thursday**

***Room: Mediterranean Room***

**Session - C48 - New Directions for Alzheimer and TBI Therapy**

10:00-11:30 AM

Co-Chairs: Wes Ashford & Michael Harrington

**J. Wesson Ashford**, Clinical Professor (affiliated); Director, War Related Illness & Injury Study Center, Stanford University; VA Palo Alto HCS,  
New concepts to attack Alzheimer's disease

**Julie Zissimopoulos**, Professor, Price School of Public Policy, Schaeffer Center for Health Policy and Economics, University of Southern  
California  
Sex and Race Differences in the Association between Statin Use and Incidence of Alzheimer Disease

**Seong S. Shim** Associate Professor of Psychiatry and Behavioral Sciences, Emory University School of Medicine; Atlanta VA Medical Center  
Neuroprotective actions of lithium in treatment of Alzheimer's disease and traumatic brain injury

**Alfred N. Fonteh**, Senior Biochemist, Huntington Medical Research Institutes,  
Information in the particulate fraction of CSF for understanding Alzheimer's disease.

**Michael Harrington**, Director of Neurosciences, Huntington Medical Research Institutes,  
Magnetoencephalography; resting state MEG detects changes in acute mTBI, and source connectivity analysis can assess patient recovery.

**Q/A 11:15-11:30**

**Lunch and Luncheon Keynotes**

**11:30 AM-1:00 PM**

## **20<sup>th</sup> April' 2017- Thursday**

***Room: South Galeria Heinsbergen***

**Session - C49 - Imaging update in Spinal cord (City of Hope CME Session)**

10:00-11:30 AM

Co-Chairs: Mike Chen & Ehsan Saadat

**Sharmila Majumdar**, Professor and Vice Chair; Director Musculoskeletal Quantitative Imaging research Group  
Quantitative Imaging of Intervertebral Disc, and Tissues Implicated in Lower Back Pain

**Pablo Villablanca**, Professor, Diagnostic Neuro radiology; Director, Interventional Spine Service; Medical Director of MRI  
Latest breakthroughs in MR imaging of the spine

**J Patrick Johnson**, Professor of Neurosurgery and Director of Spine, Cedars-Sinai Department of Neurosurgery,  
Advances in Spine Neurosurgery

**Hassan Monfared**, Assistant Professor; Residency Program Director; Rehabilitation Medicine Dept.  
Spinal cord stimulator use in back pain and spinal cord injury

**Analiz Rodriguez**, Neurosurgical Oncology Fellow  
CAR T cell therapy for malignant glioma

**Q/A 11:15-11:30**

**Lunch and Luncheon Keynotes**

**11:30 AM-1:00 PM**

## 20<sup>th</sup> April' 2017- Thursday

**Room: South Galeria Biltmore Bowl**

**Session - C50 - NanoNeuroscience & Nanoneurosurgery**

1:00-2:30 PM

Co-Chairs: Ajeet Kaushik & Babak Kateb

1:00-1:15

**James K. Gimzewski**, Distinguished Professor, UCLA Chemistry & Biochemistry Department, Faculty Director, UCLA CNSI Nano & Pico Characterization Core Facility, Scientific Director, UCLA Art|Sci Center, Principal Investigator & Satellites Co-Director, WPI Center for Materials NanoArchitectonics, (MANA), NIMS, Japan

1:15-1:30

**Sylvain Martel**, Professor, Department of Engineering, École Polytechnique de Montréal, Montreal, QC, Canada  
Delivering therapeutics with natural nanorobots.

1:30-1:45

**Ioan Opris**, Associate Scientist, University of Miami, University of Miami, Miller School of Medicine, Miami, FL, USA  
From magnetic nanowires to brain memory

1:45-2:00

**Roozbeh Moshai**, Research Scientist, Center of Personalized Nanomedicine, Florida International University  
High nano-electro-poration of drug-nano-carrier inside the brain cells

2:00-2:15

**Ajeet Kaushik**, Assistant Professor, Center of Personalized Nanomedicine, Florida International University  
Magnetically guided brain delivery of drug-nano-carrier to the brain

**Q/A: 2:15-2:30 PM**

**Coffee Break**

**2:30-3:00 PM**



## 20<sup>th</sup> April' 2017- Thursday

*Room: Galeria Emerald Room*

**Session - C51 - Multimodality Imaging (CME Accredited by Cedars-Sinai Medical Center)**

1:00-2:30PM

Co-Chairs: Wei Gao & Aaron Filler

1:00-1:15

**Mitch Albert**, Lake head University, Thunder Bay Regional Research Institute, Thunder Bay, ON, Canada  
Hyperpolarized xenon functional MRI of the brain

1:00-1:15

**Aaron G. Filler**, Medical Director, Institute for Nerve Medicine, Cedars Sinai Medical Center – Los Angeles, CA; Institute for Nerve Medicine – Santa Monica, CA  
Methodology for Analysis of DTI Images in the Setting of Brain Injury with Memory Loss

1:15-1:30

**Kevin King**, Director of Imaging, Huntington Medical Research Institutes  
Using MRI to dissect vascular contributions to brain disorders

1:30-1:45

**Ben Dirlikov**, Center for Neurodevelopmental and Imaging Research, Kennedy Krieger Institute  
Impact of Comorbid ADHD on Cortical Morphology in Children with Autism Spectrum Disorder

1:45-2:00

**Alexander Ring**, Chief Scientist, Newport Brain Research Laboratory,  
EEG-Guided Neuromodulation in Post-Traumatic Stress Disorder

**Q/A: 2:15-2:30 PM**

**Coffee Break**

**2:30-3:00 PM**

## **20<sup>th</sup> April' 2017- Thursday**

**Room: Roman Room**

**Session – C52 - Autsim**

1:00-2:30 PM

Co-Chairs: Margaret Fahnestock & Linda Isaac

1:00-1:15 PM

**Charlotte DiStefano**, Postdoctoral Fellow, Psychiatry & Bio-behavioral Sciences, University of California, Los Angeles (UCLA)

Semel Institute for Neuroscience

Neurophysiological Markers of Minimally Verbal Children with Autism

1:15-1:30

**Anca M. Pasca**, Clinical Fellow, Neonatal and Developmental Medicine, Stanford University

Modeling human cerebral cortex development using pluripotent stem cells.

1:30-1:45

**Michael J Gandal**, Psychiatry resident, PGY4, UCLA Semel Institute for Neuroscience and Human Behavior

Using Genomics to Inform the Molecular Pathology of Autism and Major Neuropsychiatric Disorders

1:45-2:00

**Mollie Meffert**, Associate Professor of Biological Chemistry and Neuroscience, Johns Hopkins University School of Medicine

Dysregulated Posttranscriptional Control of Gene Expression associated with Autism Spectrum Disorder

2:00-2:15

**Margaret Fahnestock**, Professor, Department of Psychiatry & Behavioural Neurosciences, McMaster University

Activation of TrkB-Akt Signaling Rescues Autistic-Like Behavior in a Mouse Model of Autism

**Q/A: 2:15-2:30 PM**

**Coffee Break**

**2:30-3:00 PM**

## 20<sup>th</sup> April' 2017- Thursday

**Room: Galeria Tiffany Room**

**Session - C53 - Neuroinflammation in Alzheimer's Disease**

1:00-2:30

Chair: Maya Koronyo-Hamaoui

1:00-1:15

**Maya Koronyo-Hamaoui**, Associate Professor, Neurosurgery & Biomedical Sciences, Departments of Neurosurgery & Biomedical Sciences, Maxine Dunitz Neurosurgical Institute, Cedars-Sinai Medical Center, Los Angeles, California  
Macrophage-mediated synaptic rescue in Alzheimer's disease models

1:15-1:30

**Christopher J. Wheeler**, Associate Professor, Neurosurgery, Department of Neurosurgery, Cedars-Sinai Medical Center  
Aberrant, age-related T cells induce Alzheimer's-like hallmarks in mice

1:30-1:45

**Sally Frautschy**, Professor, Neurology, Department of Neurology, University of California, and Geriatric Research Education and Clinical Center, Veterans Administration, Los Angeles, California  
Divergent effects of complement associated neuroinflammation on tau and abeta pathogenesis in a genomic model of neurofibrillary tangles

1:45-2:00

**Konrad Talbot**, Associate Research Professor, Neurology, Department of Neurology, University of California, Los Angeles.  
Neuroinflammation-Induced Brain Insulin Resistance and Its Treatment with Antidiabetic Incretin Receptor Agonists

2:00-2:15

**Gregory M. Cole**, Professor, Neurology; Director (Interim) of Mary S. Easton Alzheimer Center, UCLA/ Assoc Director GRECC Research, Greater Los Angeles Veterans Affairs, Departments of Neurology and Medicine, University of California, and Geriatric Research Education and Clinical Center, Veterans Administration, Los Angeles, California  
Therapeutic Control of Innate Immune Gene Expression and Alzheimer's

**Q/A: 2:15-2:30 PM**

**Coffee Break**

**2:30-3:00 PM**

## **20<sup>th</sup> April' 2017- Thursday**

**Room: Cordoban Room**

**Session – C54 – Cerebrovascular**

1:00-2:30 PM

Co-Chairs: Laligam Sekar & Martin Mortazavi

1:00-1:15

**Andrei Alexandrov**, Professor & Chairman, Dep. Of Neurology, University of Tennessee, Memphis University of Tennessee, Memphis  
Evolving role of Ultrasound in Stroke Management.

1:15-1:30

**Asif Taqi**, Director of Neuro-intervention at California Institute of Neuroscience, Los Robles Hospital  
Evolving Role of Endovascular Intervention in Complex Aneurysm.

1:30-1:45

**Nestor Gonzalez**, Professor, Dep. Of Neurosurgery, Cedars Sinai Medical Center, Cedars Sinai Medical Center  
Current Concepts in Treatment of MoyaMoya Disease.

1:45-2:00

**Laligam Sekhar**, Professor and Vice Chairman, Department of Neurological Surgery, Harborview Medical Center, UW Medicine, Harborview  
Medical Center, University of Washington  
Technical Advance in Treatment of Basilar tip aneurysms

2:00-2:15

**Martin M. Mortazavi**, Neurosurgeon. Director, Cerebrovascular and Skull Base program, California Institute of Neuroscience (CIN), Los Robles  
Hospital. Cedar Sinai Medical Center  
Falxuplication: A new Technique for wrap-clipping of Fursiform ACA-Aneurysms

**Q/A: 2:15-2:30 PM**

**Coffee Break**

**2:30-3:00 PM**

## **20<sup>th</sup> April' 2017- Thursday**

***Room: Mediterranean Room***

**Session – C55 - Commercialization (Roundtable Discussion)**

1:00-2:30 PM

Chair: Michael Samardzija

**Michael Samardzija**, Associate Vice President of Research Development, Loma Linda University Health

**Michael Sawitz**, Chief Strategy Officer, MedDevCo,

**Anthony DiTonno**, President & CEO, Avantis Medical Systems,

**Kara Bortone**, Director of Venture Sourcing & Development, J&J Labs San Diego,

**William Brammer**, Attorney at Law, VP of Legal Affairs at Brain Mapping Foundation, Member of the Advisory Board of Brain Mapping Foundation

**Aaron Filler**, Past President of SBMT, VP of Legal Affairs, Society for Brain Mapping and Therapeutics, Director of Nerve Medical Institute

**Q/A: 2:15-2:30 PM**

**Coffee Break  
2:30-3:00 PM**

## 20<sup>th</sup> April' 2017- Thursday

*Room: South Galeria Heinsbergen*

**Session – C56 - Neuromodulation-Therapeutics**

1:00-2:30 PM

Co-Chairs: Mark Liker & Antonio DeSalles

1:00-1:15

**Antonio De Salles (Co-chair)**, Professor Emeritus of Neurosurgery - UCLA and Head HCor Neuroscience, HCor Neurosciences, Brazil  
Deep Brain Stimulation for Morbid Obesity

1:15-1:30

**Mark Liker (Chair)**, Assistant Professor of Neurosurgery, USC Keck-School of Medicine, Affiliations: Chairman CEO of California  
Neurosurgical Institute  
Deep Brain Recordings as a Paradigm for Brain Computer Interface

1:30-1:45

**Jeffrey M. Chung**, Neuromodulation for Medically Refractory Epilepsy: When the Pen is Mightier Than the Knife  
Director, Epilepsy and Clinical Neurophysiology Programs, Cedars-Sinai Medical Center, Health Sciences Associate Clinical Professor of  
Neurology, David Geffen School of Medicine at UCLA

1:45-2:00

**Terence D. Sanger**, University of Southern California, Lee/Ramo Chair in Health Science and Technology; Dept. Biomedical Engineering  
Child Neurology and Movement Disorders, Children's Hospital Los Angeles, Div. Neurology  
DBS Targeting based on recording and stimulation from 160 intracranial test electrodes

2:00-2:15

**Chris DeGiorgio**, Professor and Vice Chairman, UCLA Department of Neurology Block Chair, Medical Neurosciences Chief of Neurology,  
Olive View-UCLA Medical Center Neuromodulation

**Q/A: 2:15-2:30 PM**

**Coffee Break**

**2:30-3:00 PM**

## 20<sup>th</sup> April' 2017- Thursday

*Room: South Galeria Biltmore Bowl*

**Session – C57 - Duel Use of NASA Technology in Space & Medicine**

3:00-4:30 PM

Co-Chairs: Ajitkumar P. Mulavara & Eric Bershad

3:00-3:15

**Paul Sherman**, Col, United States Air Force, MC, SFS

Single Hypobaric Exposure Changes: Upregulation of Cerebral Blood Flow and Depression of Metabolic Activity

3:15-3:30

**Alex Stahn**, Assistant Professor of Medical Science in Psychiatry, Unit for Experimental Psychiatry, Division of Sleep & Chronobiology

Department of Psychiatry, Perelman School of Medicine, University of Pennsylvania,

Talk Title: Neurobehavioral Changes associated with 60 Days of Bed Rest With and Without Exercise As a Countermeasure.

3:30-3:45

**Eric Bershad**, Assistant Professor of Neurology and Space Medicine, Associate Director, Biomedical Innovation Laboratory, Center for Space

Medicine, Section of Neurocritical Care and Vascular Neurology, Department of Neurology, Baylor College of Medicine

Non-invasive Technologies for Monitoring Brain Health in Space/Training Astronauts to Perform Lumbar Puncture in Space.

3:45-4:00

**Jessica Kohene**, Physical Scientist, Center for Nanotechnology, NASA Ames Research Center

Carbon Nanofiber Electrode for Neurochemical Monitoring.

4:00-4:15

**Ajitkumar P. Mulavara**, KBRwyle - Human Health and Performance Contract/NASA-JSC.

Stimulation of vestibular system to aid as countermeasure to facilitate recovery after space flight.

**Greg Nelson**, Professor Basic Sciences, Division of Radiation Research, School of Medicine, Loma Linda University

Radiation effects on long duration space flight

**Q/A 4:15-4:30**

## 20<sup>th</sup> April' 2017- Thursday

**Room: Galeria Emerald Room**

**Session - C58 - Brain Trauma, Mapping & Therapeutics in Skull Base and Tumors**

3:00-4:30 PM

Chair – Martin Mortazavi

3:00-3:15

**Casey G. Batten**, Director Of Primary Care Sports Medicine, Kerlan-Jobe Orthopaedic Clinic. Team Physician Los Angeles Rams  
Molecular Pathophysiology of Concussion

3:15-3:30

**Jason Cormier**, Neurosurgeon, Lafayette Surgical Specialty Hospital. NASCAR.  
Motorsports Safety Group Safety Initiative, Racing is a Contact Sport

3:30-3:45

**Ian Armstrong**, Director of Spine Program. California Institute for Neuroscience, Los Robles Hospital and Medical Center  
Talk Title: Neurosurgical Applications of VR -Virtual Reality; Current and Future

3:45-4:00

**Casey G. Batten**, Director Of Primary Care Sports Medicine, Kerlan-Jobe Orthopaedic Clinic. Team Physician Los Angeles Rams  
Talk Title: Game Day Identification and Management of Concussion

4:00-4:15

**Amer Khalil**, Neurosurgeon. California Institute of Neuroscience, Los Robles Hospital; University of California, Irvine  
Talk Title: Neuro-Spinal Scaffolds in the Treatment of Traumatic Spinal Cord Injuries.

**Q/A 4:15-4:30**

**Room: Roman Room**

**Session – C59-3:00-4:30 PM**

**2018 SBMT Committee Meeting**



## 20<sup>th</sup> April' 2017- Thursday

*Room: Galeria Tiffany Room*

**Session – C60-3:00-4:30 PM**

**SBMT CME Committee meeting**

*Room: Cordoban Room*

**Session – C61 - Neuro Endoscopy & Brain Mapping in Skull Base neurosurgery**

3:00-4:30 PM

Co-Chairs: Bijorn Lobo & Nester Gonzales

3:00-3:15

**Bjorn Lobo**, Attending Neurosurgeon, California Neurosurgical Institute

Application of photonics in neuroendoscopy

3:15-3:30

**Nestor Gonzalez**, Professor of Neurosurgery, Cedar-Sinai Medical Center

Angiogenesis in Intracranial Arterial Stenosis

3:30-3:45

**Geoff Colby**, Assistant Professor of Neurosurgery, Johns Hopkins University

Talk Title: Advances in minimally invasive treatment of brain aneurysms.

3:45-4:00

**Sumeet Vadera**, Assistant Professor of Neurosurgery

University of California – Irvine,

Advances in Epilepsy Surgery and Brain Mapping

4:00-4:15

**Fawaz Al-Mufti**, Fellow in Endovascular Neurosurgery, Rutgers University - New Jersey Medical School

Trials and Tribulations of Subarachnoid Hemorrhage-Induced Vasospasm and Delayed Cerebral Ischemia: Future Perspectives

**Q/A 4:15-4:30**

## 20<sup>th</sup> April' 2017- Thursday

*Room: Mediterranean Room*

**Session – C62 - Diagnostics & Therapeutics of Prion Diseases**

3:00-4:30 PM

Co-Chairs: Russ Lebovitz & Eduardo Caverzasi

3:00-3:15

**Michael Geschwind**, Professor & Michael J. Homer Chair in Neurology, Memory and Aging Center, Department of Neurology, University of California, San Francisco

Clinical aspects of and research in human prion disease

3:15-3:30

**Claudio Soto**, Professor of Neurology & Director, George and Cynthia W Mitchell Center for Alzheimer's Disease and Other Related Brain Illnesses, University of Texas at Houston, High sensitive detection of prions and prion-like misfolded oligomers in neurodegenerative diseases

3:30-3:45

**Byron Caughey**, Senior Investigator & Chief TSE/Prion Biochemistry Section, Rocky Mountain Labs, NIAID, NIH, Detection and diagnosis of prion diseases and tauopathies with RT-QuIC assays

3:45-4:00

**Eduardo Caverzasi**, Radiologist, Dept. of Neurology, University of California, San Francisco & Biomedical Sciences Phd, Department of Brain and Behavioral Sciences, University of Pavia, Pavia, Italy, State of the art of MRI in CJD

4:00-4:15

**Christina Sigurdson**, Professor, Department of Pathology, UC San Diego & the Department of Pathology, Microbiology, and Immunology, UC Davis, University of California, San Diego  
Chronic Wasting Disease

**Q/A 4:15-4:30**

## 20<sup>th</sup> April' 2017- Thursday

*Room: South Galeria Heinsbergen*

**Session – C63** - Neuroplasticity in Medical Illnesses and Psychiatric Syndromes.

3:00-4:30 PM

Co-Chairs: Hamlin Emory & Allyson Rosen

3:00-3:15

**Ian Cook**, Associate Professor of Psychiatry and Biobehavioral Sciences, University of California Los Angeles  
Challenges of TMS for Depression

3:15-3:30

**Nasser Kashou**, Assistant Professor, School of Engineering, Wright State University  
The Potential of fNIRS to monitor and assess touch therapy

3:30-3:45

**Neptune Mizrahi**, Chief Scientific Officer, iNseron inc, Emory Institute  
Talk Title: Neuroplasticity in Depression and Type 1 Diabetes.

3:45-4:00

**Hamlin Emory**, Director, Emory Institute  
A Neurotherapeutic Approach to Cardiovascular Diseases and Psychiatric Syndromes

4:00-4:15

**Wesson Ashford**, Professor/Director War Related Illness and Injury Study Center, Stanford School of Medicine/ Palo Alto VAMC  
Talk Title: Plasticity in Alzheimer's Disease

**Q/A 4:15-4:30**