It is with great pleasure that I welcome you to our 19th Annual University of California Neurotrauma Symposium. This year we are staying at the Doubletree Hilton at 10400 Jan Jose, San Jose, officially the City of San José, the economic, cultural, and political center of Silicon Valley and the largest city in Northern California. The arts and culture are essential elements in the character and quality of life in the vibrant San José community.

I would like to acknowledge the efforts of Drs. Chris Giza, Mayumi Prins and Fernando Gómez-Pinilla in putting together another outstanding program in modern concepts of translational TBI. In addition, our meeting has continued to receive generous financial support from several donors including substantial support from the Centre for Neuro Skills under the direction of Dr. Mark Ashley. If you have the opportunity, I would ask that you not only thank Dr. Ashley for his continued support but that you also take the time to visit one of their outstanding rehabilitation facilities.

As is our custom, the meeting will begin on Sunday, September 23rd featuring our Young Investigators. Following this will be a session on Neuro Nursing and a session on axonal injury and inflammation. We will top this first day off with Dr. Gómez-Pinilla monitoring a “Hot off the Press” session and an evening dinner and a movie, featuring the award-winning documentary “Battlefield: Home – Breaking the Silence” with personal comments from director Anita Sugimura Holsapple.

Our second day will feature the topic of Psychiatry and TBI followed by a provocative session on “what we think we know: different perspectives”. As is our tradition, the second day’s afternoon is free to interact with colleagues and friends. I would encourage you to enjoy the City of San José, its art, culture and fine dining experiences.

Our last day will feature the topics of plasticity and recovery of function, the potential of engineering to prevent and treat TBI and a review of “Big Data and Multi-Center Studies”. I would especially like to express my appreciation to Dr. Thomas McAllister who has generously taken time out of his busy schedule to present at our symposium. His attendance will truly add to the prestige of our meeting as well as help us to celebrate the science of Neurotrauma which impacts so many people throughout the world.

David A. Hovda, Ph.D.
Director, UCLA Brain Injury Research Center
12:00pm Lunch
12:45pm Welcome and Opening Remarks - David Hovda, PhD (UCLA)

1:00-2:00 SESSION 1
YOUNG INVESTIGATORS
Chair: David Hovda, PhD (UCLA)
The Gut-Brain Axis: Enteric Microbiota in Brain Injury
Wellington Amaral, PhD (UCLA)

TRACK-SCI: Challenges and Solutions in Establishing an Acute Spinal Cord Injury Database - Xuan Duong Fernandez, BA and Leigh Thomas, BA (UCSF)
Diagnosis: Concussion - Joshua Kamins, MD (UCLA)
EEG and Spatial Learning Following Mild TBI - Katelynn Ondek, BS (UCD)

2:00-3:00 SESSION 2
NEURO NURSING
Chairs: Courtney Real, MSN & Stephanie Wolahan, PhD (UCLA)
cEEG and Traumatic Injury: The Role of the Bedside Nurse
Kevin Cornett, BSN and Janice Im, BSN (UCLA)
Epileptogenesis in TBI: The EpilBio54Rx Study
Courtney Real, MSN and Vikesh Shrestha, BS (UCLA)
Creating the NeuroICU Network of the Future
Revati Vishwasrao, BS, Christine Picinich, MS and Lara Zimmermann, MD (UCD)

3:00 Break

3:15-4:45 SESSION 3
AXONAL INJURY & INFLAMMATION
Chair: Neil Harris, PhD (UCLA)
Chronic Demyelination and Seizures: Gliosis and Modified Neuronal Activity
Seema Tiwari-Woodruff, PhD (UCR)
Vascular Modifications in Traumatic Brain Injury - Andre Obenaus, PhD (UCI)
White Matter Changes and Outcome After Mild Traumatic Brain Injury
Esther Yuh, MD, PhD (UCSF)

4:45-5:45 “HOT OFF THE PRESS”
Chair: Fernando Gomez-Pinilla, PhD (UCLA)

6:00 Reception
7:00 Dinner and a Movie
Anita Sugimura Holsapple, Director of Battlefield Home - Breaking the Silence

7:30 am Continental Breakfast
8:00-9:30 SESSION 4
PSYCHIATRY & TBI
Chair: Alan Hoffman, PhD (UCLA)
Shifting the Paradigm in PTSD Treatment: UCLA Operation Mend – a Warrior Care Network Intensive Outpatient Program - Jo Sontorger, PhD (UCLA)
Behavioral Sequence of Mild TBI
Thomas McAllister, MD (Indiana U)
Treatment Strategies to Reverse Cognitive Deficits after TBI
Susanna Rosi, PhD (UCSF)

9:30 Break

9:45-12:00 SESSION 5
WHAT WE THINK WE KNOW: DIFFERENT PERSPECTIVES
Chair: Gene Gurkoff, PhD (UCR)
No Jest, Rest is Best for Concussion and TBI
Meenyo Choe, MD (UCLA)
Tau is How CTE Happens Now
Mayumi Prins, PhD (UCLA)
Brain-Gut Axis in the TBI Pathophysiology
Fernando Gomez-Pinilla, PhD (UCLA)
Anabolic-Androgenic Steroid Abuse: Potential Interactions with Neurotrauma
Ruth Wood, PhD (USC)

Afternoon/Evening on your own

FOR REGISTRATION INFORMATION PLEASE CONTACT:
KATHRYN E. RASCO (310) 206-3480
KRASCO@MEDNET.UCLA.EDU

7:30 am Continental Breakfast

8:00-9:30 SESSION 7
BIOLOGICAL MECHANISMS OF PLASTICITY, TBI AND RECOVERY
Chair: Bruce Lyeth, PhD (UCD)
Acute Treatment for TBI: Unrealized Potential for Calcium Channel Blockers
Robert Berman, PhD (UCD)
Epigenetic Regulation of Memory and Synaptic Plasticity
After Early-Life Exercise - Autumn Ivy, MD, PhD (UCI)
Multimodal Imaging of Pediatri TBI
Emily Dennis, PhD (USC-UCLA)

9:30 Break / Hotel Checkout

9:45-11:15 SESSION 8
ENGINEERING THE WAY OUT OF TBI
Chair: Christopher Giza, MD (UCLA)
Measurement and Prevention of mTBI in American Football – Is it Possible? - David Camarillo (Stanford)
Miniaturized and Implantable Hardware for Closed Loop Neuromodulation - Sam Barclay (UCLA)
Repeat Mild Traumatic Brain Injury (mTBI) in Immuno-competent vs Immuno-deficient Mice - Brian Cummings (UCI)

11:15-12:45 SESSION 9
NEUROTRAUMA, BIG DATA & MULTI-CENTER STUDIES
Chair: Cindy Chang (UCSF)
Big Data and the NCAA-DOD CARE Consortium
Thomas McAllister (Indiana U)
The Epilepsy Bioinformatic Study for Antiepileptogenic Therapy (EpiBio54Rx): An International Multicenter Translational Investigation into Post-Traumatic Epilepsy
Jerome Engel, Jr. (UCLA)
4CYC – Four Corners Youth Consortium
Christopher Giza (UCLA)

12:45am-1:00 Closing Remarks - David Hovda (UCLA)