



## PROGRAM DETAILS

<b>Week 1: Basic Science and TBI – Chair: John Michael Cavanaugh, MD</b>	
<b>Monday 06/03</b>	
1:00pm – 2:20pm (BME 2220)*	Title: Biomechanics of Brain Injury (John Michael Cavanaugh – MD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: Proton magnetic resonance spectroscopy: Neurochemical and physiological basis of the MR-visible compounds (Matthew Galloway – PhD)
<b>Tuesday 06/04</b>	
1:00pm – 2:20pm (BME 2220)	Title: Systems Modeling of Oxidative and Nitrosative Stress (Mahendra Kavdia – PhD)
2:20pm – 2:40pm	Break
2:40pm – 3:30pm (BME 2220)	Title: SWI from Fetus to Dementia (E. Mark Haacke – PhD)
3:30pm – 4:00pm (BME 2220)	A global multi-scale mathematical model for the human circulation: application to extra cranial venous anomalies (Prof. Eleuterio Toro, PhD) – University of Trento - Italy
<b>Wednesday 06/05</b>	
1:00pm – 2:20pm (BME 2220)	Title: Role of caffeine in Traumatic Brain Injury (Srini Kallakuri – PhD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: SWI imaging of the Fetus (Jaladhar Neelavalli, PhD)
<b>Thursday 06/06</b>	
1:00pm – 2:20pm (BME 2220)	Title: Remodeling the Brain after Stroke and Neural Injury (Micheal Chopp, PhD) – Henry Ford Hospital
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: Neuroprotection & Mechanism of Ethanol Therapy: New Prospects for an Ancient Drug (Yuchuan Ding, MD, PhD)
<b>Friday 06/07 – Clinical Day Chair: Brian O'Neil, MD – Location: Jaffar Hall, Scott Hall*</b>	
9:00am – 10:00am	Title: Clinical utility of neuropsychological testing and implications for outcome predictions - Brief on the sideline and baseline and follow up; (David Milzman, MD) – Georgetown University
10:00am – 10:20am	Coffee Break
10:20am – 11:20pm	Title: Acute Injury Phase trials at WSU and elsewhere (Robert Welch, MD)
11:20pm – 1:00pm	Break
1:00pm – 2:20pm	Title: Can quantitative brain electrical activity aid in the initial screening of mild traumatic brain injured patients (Brian O'Neil, MD)
2:20pm – 2:40pm	Coffee Break
2:40pm – 4:00pm	Title: TBI: Pathophysiology and Implications for Management (Jonathon Sullivan, MD)

**Monday through Thursday** sessions will be held in the Biomedical Engineering Building, room 2220, located at 818 West Hancock, Detroit, MI 48202

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## PROGRAM DETAILS

Week 2: Imaging – Chair: Zhifeng Kou, PhD	
<b>Monday 06/10</b>	
1:00pm – 2:20pm (BME 2220)*	Title: Cerebrovascular Reserve (Yongquan Ye – PhD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: mild Traumatic Brain Injury (Zhifeng Kou – PhD)
<b>Tuesday 06/11</b>	
1:00pm – 2:20pm (BME 2220)	Title: Magnetic Resonance Spectroscopy (Jeffrey Stanley – PhD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: Functional Magnetic Resonance Imaging (Diwadkar Vaibhav – PhD)
<b>Wednesday 06/12</b>	
1:00pm – 2:20pm (BME 2220)	Title: Aging (Naftali Raz – PhD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: Dementia (Randall Benson – MD)
<b>Thursday 06/13</b>	
1:00pm – 2:20pm (BME 2220)	Title: Positron Emission Tomography (Muzik Otto, PhD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: Inside neuron stadium: MEMRI of calcium channel pathophysiology in degenerative disorders (Bruce Berkowitz – PhD)
<b>Friday 06/14 – Clinical Day Chair: Randall Benson, MD – Location: Green Hall – Scott Hall*</b>	
10:00am – 11:20am	Title: Neuroimaging of Traumatic Brain Injury (TBI): Neuropathological Correlates of Neurobehavioral Outcome (Erin Bigler, PhD) – Brigham Young University - Utah
11:20am – 1:00pm	Break
1:00pm – 2:20pm	Title: fMRI in Football (Tom Talavage, PhD – Purdue University)
2:20pm – 2:40pm	Coffee Break
2:40pm – 4:00pm	Title: Update on the use of DTI in mild TBI (Randall Benson – MD)

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## PROGRAM DETAILS

<b>Week 3: Special Topics in TBI – Chair: Matthew Galloway, PhD</b>	
<b>Monday 06/17</b>	
1:00pm – 2:20pm (BME 2220)*	Title: Neurobiochemical and psychometric correlates of noise-induced tinnitus following rTMS over the left temporal lobe in humans (Anthony Cacace – PhD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: Blast-Induced Tinnitus and Its Related TBI (Jinsheng Zhang – PhD)
<b>Tuesday 06/18</b>	
1:00pm – 2:20pm (BME 2220)	Title: Stems Cells research in cancer (Jianjun Wang – MD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: Stems Cells research in TBI (Jean Peduzzi – PhD)
<b>Wednesday 06/19</b>	
1:00pm – 2:20pm (BME 2220)	Title: Ethanol Sensitivity Following Experimental Traumatic Brain Injury (Alana Conti, PhD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: FE Modeling of Traumatic Brain Injury (Liyang Zhang – PhD)
<b>Thursday 06/20</b>	
1:00pm – 2:20pm (BME 2220)	Title: Similarities between Stroke and Traumatic Brain Injury (Quan Jiang – PhD)
2:20pm – 2:40pm	Break
2:40pm – 4:00pm (BME 2220)	Title: TBI and Driving: Neuroimaging Investigation of Cognitive Distraction and Real- World Applications (Li Hsieh, PhD)
<b>Friday 06/21– Clinical Day Chair: Jay Meythaler, MD – Location: Jaffar Hall, Scott Hall*</b>	
9:00am – 10:20am	Title: Principles of Recovery Based Therapies in Neurotraumas (Steven Hinderer, MD) – Oakwood Health System - Michigan
10:20am – 10:40am	Coffee Break
10:40am – 12:00pm	Title: Results from the minocycline trial and the beginnings of Youth sports TBI impact study (Jay Meythaler, MD)
12:00pm – 1:00pm	Break
1:00pm – 2:20pm	Title: Findings from Southeastern Michigan Traumatic Brain Injury System (Robin Hanks, PhD) – Presented by Dr. Scott Millis, MD

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