



# Does Repeated Blast-Related Trauma Contribute to the Development of Chronic Traumatic Encephalopathy (CTE)?

## MEETING AGENDA

Tuesday, 3 November 2015

Time	Schedule	Presenter
8:00 am	<i>Registration</i>	
8:30 am	<i>Welcome and Meeting Overview</i>	<i>Mr. Michael Leggieri, DoD Blast Injury Research Program Coordinating Office</i>
9:00 am	Keynote Address	Dr. John F. Glenn, Principal Assistant for Research and Technology, US Army Medical Research and Materiel Command
9:20 am	<i>Requirements and Defining the Problem</i>	<i>Mr. Michael Leggieri</i>
9:25 am	Prevalence of TBI and Chronic Effects of Blast-Related Trauma In the Military	COL Sidney Hinds, Defense and Veterans Brain Injury Center
9:45 am	Annual Blast Overpressure Exposure of Mortar and Artillery Men	LT Uade Olaghery da Silva, Naval Medical Research Center
10:05 am	Future Policy Considerations for Managing Chronic Effects of TBI in Service Members	Ms. Elizabeth Fudge, Office of the Assistant Secretary of Defense, Health Affairs
10:25 am	Q&A for all Speakers	
10:40 am	<i>AM Break</i>	
10:55 am	<i>Requirements and Defining the Problem (continued)</i>	<i>Mr. Michael Leggieri</i>
11:00 am	VA Perspective on Current State of the Science and Policy Considerations: Past, Present, and Future	Dr. Stuart Hoffman, Department of Veterans Affairs



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11:20 am	NIH-Public Health Perspective on the Relationship between Head Trauma and CTE	Dr. Patrick Bellgowan, National Institute of Neurological Disorders and Stroke
11:40 am	NCAA Perspective on the Relationship Between Head Trauma and CTE	Dr. Steven Broglio, University of Michigan
12:00 pm	Q&A for all Speakers	
<b>12:15 pm</b>	<b>Lunch and Poster Set-up</b>	
<b>1:15 pm</b>	<b>Current State of the Science and What's Next</b>	<b>Mr. Michael Leggieri</b>
1:20 pm	Literature Review Report: Findings and Conclusions	Dr. Matt Aldag, Booz Allen Hamilton
1:40 pm	Q&A for the Speaker	
<b>1:55 pm</b>	<b>Scientific Session I: Pathological Characteristics of Blast-Induced TBI</b>	<b>Mr. Michael Leggieri</b>
2:00 pm	Why Do We Know So Little About the Neuropathology of Blast TBI?	Professor Douglas Smith, University of Pennsylvania
2:20 pm	Neuropathology Studies of Acute and Chronic Blast TBI, Evidence of an Unique Pattern of Damage to the Human Brain Following Blast Exposure	Dr. Daniel Perl, Uniformed Services University of the Health Sciences, The Center for Neuroscience and Regenerative Medicine
<b>2:40 pm</b>	<b>PM Break</b>	
<b>2:55 pm</b>	<b>Scientific Session II: Risk Factors and CTE</b>	<b>Mr. Michael Leggieri</b>
3:00 pm	Clinicopathologic Phenotypes of Chronic Traumatic Encephalopathy: Distinct Risk Factors	Dr. Robert Cantu, Boston University School of Medicine
<b>3:20 pm</b>	<b>Scientific Session III: Blast-Induced Neurodegenerative Mechanisms</b>	<b>Mr. Michael Leggieri</b>
3:25 pm	Vascular and Inflammatory Factors in the Chronic Pathophysiology of Blast-Induced Brain Injury	Dr. Gregory Elder, James J. Peters VA Medical Center



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3:45 pm	Repeated Blast Exposures Cause Neuropathological Underpinnings of CTE and Alzheimer's Disease	Dr. Peethambaran Arun, Walter Reed Army Institute of Research
4:05 pm	Measuring Changes in Brain Chemistry after Repetitive Brain Trauma using MR Spectroscopy	Dr. Alexander Lin, Brigham and Women's Hospital, Harvard Medical School
<b>4:30 pm</b>	<b><i>Closing Remarks and Adjourn</i></b>	<b><i>Mr. Michael Leggieri</i></b>

## Wednesday, 4 November 2015

<b>Time</b>	<b>Schedule</b>	<b>Presenter</b>
<b>8:00 am</b>	<b><i>Registration</i></b>	
<b>8:30 am</b>	<b><i>Welcome and Topic Introduction</i></b>	<b><i>Mr. Michael Leggieri</i></b>
8:40 am	NFL Perspective on the relationship between head trauma and CTE	Dr. Joseph Maroon, University of Pittsburgh Medical Center
9:00 am	Q&A for the Speaker	
<b>9:15 am</b>	<b><i>Scientific Session III: Blast-Induced Neurodegenerative Mechanisms (continued)</i></b>	<b><i>Mr. Michael Leggieri</i></b>
9:20 am	The Role of Aberrant Phospho-Tau in Blast-Induced Mild Traumatic Brain Injury	Dr. David Cook, VA Puget Sound Health Care System
9:40 am	A Novel Investigation into the Underlying Mechanisms Linking Neurotrauma to Neurodegeneration	Dr. Charles Rosen, Department of Neurosurgery, West Virginia University
<b>10:00 am</b>	<b><i>AM Break</i></b>	
<b>10:15 am</b>	<b><i>Scientific Session IV: Neuroimaging and Biomarkers</i></b>	<b><i>Mr. Michael Leggieri</i></b>
10:20 am	High-Fidelity Animal Modeling of Blast-Induced Neurodegeneration: A Longitudinal Study to Identify Mechanisms and Biomarkers	Professor Denes Agoston, Uniformed Services University of the Health Sciences



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- 10:40 am Neuroimaging of Non-Concussive Blast Exposure in OEF/OIF/OND Veterans Dr. Meghan Robinson, VA Boston Healthcare System
- 11:00 am Blast TBIs are Associated with Higher Concentrations of Amyloid Beta in Peripheral Blood Dr. Jessica Gill, National Institutes of Health
- 11:20 am PET Imaging with Pittsburgh Compound B of Amyloid Deposition in White Matter in Chronic TBI: An Exploratory Analysis Dr. David Okonkwo, University of Pittsburgh Medical Center
- 11:40 am Cortical Gray Matter-White Junction Pattern of Retention of the Tauopathy Ligand <sup>18</sup>F-T807 (Avid 1451) in Clinically Probable CTE Professor Sam Gandy, James J. Peters VA Medical Center and Icahn School of Medicine at Mount Sinai

**12:00 pm Scientific Session V: Treatment Strategies Mr. Michael Leggieri**

- 12:05 pm Cis-P-Tau Directly Links TBI to CTE and AD, But Can Be Blocked by Antibody Dr. Kun Ping Lu, Beth Israel Deaconess Medical Center, Harvard Medical School

**12:25 pm Lunch and Poster Session**

**2:25 pm Roles and Responsibilities of Working Groups\* Mr. Michael Leggieri**

- 2:35 pm Working Group\* Deliberations

**5:00 pm ADJOURN directly from Working Groups**

*\*Breaks are determined within each Working Group.*

## Thursday, 5 November, 2015

Time	Schedule	Presenter
8:00 am	Registration	
8:30 am	Working Group* Deliberations	
11:30 am	Lunch and Poster Session	
1:00 pm	Working Group* Deliberations	
2:00 pm	Working Groups Report Out	Working Group Chairs/Expert Panelists
4:00 pm	Closing	Mr. Michael Leggieri

*\*Breaks are determined within each Working Group*