

NEUROTRAUMA 2014

The 32nd
Annual Symposium
of the



SCIENTIFIC PROGRAM

June 29 - July 2
San Francisco, CA

WWW.NEUROTRAUMA.ORG

Neurotrauma 2014 Supporters

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Letter from the President

Dear Fellow Neurotrauma Researchers:

On behalf of the National Neurotrauma Society (NNS), I warmly welcome you to join us for The 32nd Annual Symposium of the National Neurotrauma Society, including the AANS/CNS Section on Neurotrauma and Critical Care, at the Marriott Marquis in downtown San Francisco, June 29-July 2, 2014. The theme of this year's conference is "*From Bench to Bedside and Back*".

Sessions were selected by the Program Committee from many excellent topics proposed by the NNS membership, and will focus on multi-disciplinary, basic, translational, and clinical approaches to acute and chronic problems in neurotrauma. Novel topics to be addressed are the effects of repeated mild traumatic brain injuries and sports concussions, particularly for the pediatric population, autonomic nervous system challenges in both TBI and SCI, topical discussions of exciting recent data on stem cell transplantation in pre-clinical models and in clinical trials after SCI, and novel observations on the role of the lymphatic system in TBI. The Presidential Lecture will describe the ground-breaking work in human spinal cord injury utilizing spinal cord stimulation in combination with treadmill training to induce recovery of voluntary function after chronic, neurologically complete spinal cord injury. This work was chosen to highlight the important role of rehabilitation and allied health professionals in recovery from CNS injury, and the clinical application of basic science understandings to promote strategies for recovery from neurotrauma. These data will surely generate new ideas to be brought back to the lab for testing, before being brought back again for clinical evaluation. Neurotrauma survivor testimonials and an airing of "The Crash Reel", the documentary of Kevin Pearce's recovery after a snow boarding accident in preparation for the Olympics, will round out the program.

The meeting location in San Francisco provides a beautiful venue with a variety of great restaurants nearby, and we invite you to join us on a bay cruise on Tuesday evening to better view the city, the natural vistas and the remarkable bridges at sunset. Since we are meeting in June, the weather can be quite cool if you are close to the bay (think early-mid spring, especially if there is fog), but will be much warmer inland (think hot, dry summer). We hope you will enjoy being here!

No other conference combines basic science, preclinical modeling and clinical approaches to studying brain and spinal cord injury to the extent that is done in this meeting. We look forward to an exciting and productive few days.

On behalf of the members of the Program Committee, along with the officers, councilors and members of the National Neurotrauma Society, we welcome you to San Francisco, and hope that you have an enjoyable and educational meeting!

Sincerely,



Jacqueline Bresnahan, PhD
2014 President, National Neurotrauma Society





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Schedule-At-A-Glance

SUNDAY, JUNE 29

7:00 - 5:00 REGISTRATION DESK OPEN <i>Yerba Buena Grand Assembly</i>				4:00 - 4:30	4:30 - 5:15	5:15 - 6:00	6:00 - 7:30
7:30 - 12:00		1:00 - 2:30		Break & Visit Exhibits <i>Yerba Buena 7/8</i>	Presidential Lecture <i>Yerba Buena 9</i>	Public Lecture <i>Yerba Buena 9</i>	Welcome Reception <i>Yerba Buena 7/8</i>
Chinese Neurotrauma Association Meeting <i>Nob Hill A/B</i>		WINTR Business Meeting <i>Nob Hill B</i>					
	11:30 - 1:00		2:30 - 4:00				
	JNT Editorial Board Meeting <i>Nob Hill C</i>		NNS Officers & Councilors Mtg. <i>Nob Hill C</i>				
8:00 - 4:00							
AANS/CNS Symposium <i>Yerba Buena 4-5-6</i>							
9:00 - 4:00							
SFGH/UCSF 13th Annual Symposium <i>Yerba Buena 1-2-3</i>							

MONDAY, JUNE 30

7:50	8:00 - 10:00		10:30 - 12:00	12:00 - 1:30	1:30 - 3:00	3:00 - 4:00	4:00 - 5:00	5:00 - 6:00	7:15 - 8:00	8:00 - 10:00
PRESIDENT'S WELCOME	Chronic Traumatic Encephalopathy & Sports Concussion <i>Yerba Buena 9</i>	BREAK	Pediatric TBI <i>Yerba Buena 1-6</i>	Student / Post-Doc Lunch <i>Club Room (2nd floor)</i>	Transplantation & Functional Regeneration Past a Spinal Cord Injury <i>Yerba Buena 9</i>	Poster Session I: A1-A5 & T1-T20 Judging <i>Yerba Buena 7/8</i>	Poster Session I: B1-B5 <i>Yerba Buena 7/8</i>	Wine & Cheese Open Poster Viewing <i>Yerba Buena 7/8</i>	WINTR Mixer & Ask an Expert <i>Yerba Buena 7/8 & Foyer</i>	Movie Screening: "The Crash Reel" Followed by Q&A with Kevin Pearce <i>Yerba Buena 9</i>
			SCI Phase I Transplantation Clinical Trials <i>Yerba Buena 9</i>							
			Feeding the Injured CNS <i>Yerba Buena 10-15</i>							
			Clinical Trial Design <i>Nob Hill A-B-C</i>							

TUESDAY, JULY 1

7:00-7:45	8:00 - 10:00		10:30 - 12:00	12:00 - 1:30	1:30 - 3:00	3:00 - 4:00	4:00 - 5:00	5:00 - 6:00	7:00 - 7:30	8:00 - 10:00
NNS Business Meeting <i>Nob Hill A-B-C</i>	Synaptogenesis after Neurotrauma <i>Yerba Buena 9</i>	BREAK	Pediatric TBI: A Legacy of Chronic Deficit <i>Yerba Buena 1-6</i>	NNS Officers & Councilors Lunch <i>Invitation only Nob Hill C</i>	Advances in Multimodal imaging of TBI <i>Yerba Buena 1-6</i>	Poster Session II: C1-C3 <i>Yerba Buena 7/8</i>	Poster Session II: D1-D2 <i>Yerba Buena 7/8</i>	Wine & Cheese Open Poster Viewing <i>Yerba Buena 7/8</i>	Buses to Pier <i>Main Lobby</i>	San Francisco Bay Cruise Buses return by 10:30 PM <i>Pier 43 1/2</i>
			Current Advances in Chronic TBI Cognitive Therapies <i>Yerba Buena 9</i>							
7:50			Innovation & Invention in Neurotrauma <i>Yerba Buena 10-15</i>		Cognitive Aging and TBI: The Role of Inflammation <i>Yerba Buena 10-15</i>	SCI <i>Yerba Buena 9</i>	Clinical <i>Yerba Buena 10-15</i>			

WEDNESDAY, JULY 2

7:50	8:00 - 10:00	10:00 - 10:30		11:00 - 12:00	12:00 - 1:30	1:30 - 2:30	2:30 - 4:00	4:00 - 4:15
Morning Announcements	Optimizing Rehabilitation Strategies in Neurotrauma <i>Yerba Buena 9</i>	Awards Ceremony & iPad Drawing <i>Yerba Buena 9</i>	BREAK	Novel Understandings and Approaches for the Future <i>Yerba Buena 9</i>	WINTR Lunch Workshops <i>Yerba Buena 1-2-3-4-5-6</i>	Chronic Pain and CNS Injury <i>Yerba Buena 9</i>	Translational Concepts in Cognitive Rehabilitation <i>Yerba Buena 1-6</i>	Closing Remarks <i>Yerba Buena 9</i>
					FREE TIME LUNCH ON YOUR OWN <i>All other attendees</i>			
							SCI & TBI Model Selection <i>Yerba Buena 10-15</i>	

Neurotrauma 2014 Exhibitors

AANS/CNS Section on Neurotrauma & Critical Care www.neurotraumasection.org	38	Mizuho America, Inc. www.mizuho.com	05
American Spinal Injury Association www.asia-spinalinjury.org	11	Motorika www.motorika.com	28
Brain Trauma Foundation www.braintrauma.org	10	National Neurotrauma Society www.neurotrauma.org	36
Centre for Neuro Skills www.neuroskills.com	07	Neuroscience Associates Inc. www.nsalabs.com	08
Depuy Synthes Codman www.depuySynthes.com	35	Oxyhealth LLC www.oxyhealth.com	37
Defense and Veterans Brain Injury Center (DVBIC) http://dvbic.dcoe.mil	23	Penn Center for Brain Injury & Repair www.med.upenn.edu/cbir	26
Ekso Bionics www.eksobionics.com	03	Precision Systems & Instrumentation www.presysin.com	24
Federal Interagency Traumatic Brain Injury Research (FITBIR) www.fitbir.nih.gov	09	QuesGen Systems, Inc. www.quesgen.com	06
Hemedex www.hemedex.com	27	SFC Fluidics www.sfc-fluidics.com	30
Integra LifeSciences www.integralife.com	33	University of California San Francisco BASIC www.brainandspinalinjury.org	04
Journal of Neurotrauma www.liebertpub.com/neu	36	Wolters Kluwer www.lww.com	29
Leica Biosystems www.leicabiosystems.com	34	Women in Neurotrauma Research (WINTR) www.nationalneurotraumasociety.org/wintr	36
		ZOLL Medical Corporation www.zoll.com	25



General Information

Registration & Information Desk

Registration is located at the North Registration Desk near the Yerba Buena Grand Ballroom on the lower B2 level of the Marriott Marquis. Visit during these hours to reprint lost badges, ask general questions or add a ticketed event (on a space available basis).

SUNDAY, JUNE 29	7:00 AM - 5:00 PM
MONDAY, JUNE 30	7:00 AM - 5:00 PM
TUESDAY, JULY 1	7:00 AM - 5:00 PM
WEDNESDAY, JULY 2	7:00 AM - 3:00 PM

Exhibit Hours & iPad Drawing

All exhibits are located in Yerba Buena Ballroom 7/8 on the lower B2 level of the Marriott Marquis.

SUNDAY, JUNE 29	10:00am-1:00pm; 4:00pm-7:30pm
MONDAY, JUNE 30	7:00am-10:30am; 3:00pm-6:00pm
TUESDAY, JULY 1	7:00am-10:30am; 3:00pm-6:00pm
WEDNESDAY, JULY 2	7:00am-8:00am

Enter to win an iPad!

Have your Exhibitor card signed at 10 or more exhibit booths and return it to the Registration Desk to be eligible to win an iPad. The drawing will be held on Wednesday at the Awards Ceremony. Must be present to win.

Meals & Tickets

Registration for Neurotrauma 2014 includes daily continental breakfast, AM and PM coffee breaks.

Lunches are on your own, with the exception of the Student/Post Doc lunch on Monday and the WINTR Lunch workshops on Wednesday. Tickets for these lunches were sold in advance when you registered for the conference. Onsite requests to add lunch tickets cannot be guaranteed.

MONDAY

Student/Post Doc Lunch *Lunch with the NNS Officers & Councilors. Advance RSVP required.*

WEDNESDAY

WiNTR lunch workshops *Ticketed event (\$40)*

If you have a lunch ticket and cannot attend, please let us know.

Networking & Social Events

SUNDAY

Welcome Reception *Included for all attendees*

MONDAY

Wine & Cheese Open Poster Viewing *Included for all attendees*
WINTR Networking Mixer *Included for all attendees*
Movie Screening: "The Crash Reel" *Included for all attendees*

TUESDAY

Wine & Cheese Open Poster Viewing *Included for all attendees*
San Francisco Bay Cruise *Ticketed event (\$25/\$50)*

DAILY

Continental Breakfast/Open Poster Viewing & Coffee Breaks *Included for all attendees*

Continuing Medical Education

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of University Health Services Professional Education Programs (UHS-PEP) of Virginia Commonwealth University Health System and the National Neurotrauma Society. UHS-PEP is accredited by the ACCME to provide continuing medical education for physicians.

UHS-PEP designates this live activity for a maximum of 35.25 AMA PRA Category 1 Credits(TM).

Physicians should claim only the credit commensurate with the extent of their participation in the activity. Credits are designated as follows:

- UHS-PEP designates a maximum of 27.25 CME credits for the National Neurotrauma Society sponsored portion of the entire symposium.
- The optional WINTR program is designated for a maximum of 1.5 CME credits.
- The AANS/CNS sponsored program is designated for a maximum of 6.5 CME credits.
- The SFGH/UCSF sponsored program is designated for a maximum of 5.0 CME credits, or 0.5 CEUs.

This continuing education activity meets the criteria of Virginia Commonwealth University and the Southern Association of Colleges and Schools. 3.4 CEUs will be awarded and recorded with the University (if all sessions are completed as described above).

Educational Objectives

At the conclusion of this three day symposium, attendees will be able to:

- I. Describe models and new approaches to studying traumatic brain and spinal cord injury.
- II. Identify advances in therapeutic targeting to enhance outcome after central nervous system injury.
- III. Discuss controversial issues in the translation of therapeutic treatments including cellular transplantation from the laboratory to clinical trial.

CME Certificates & Evaluation Survey

To claim CME or CEU credits for the meeting, you must:

- 1. Complete the survey questions for each day you attend.**
You will receive an email survey at the end of each day.
On the final page of the survey, you will receive a CME CODE.
You will need this code to claim your CMEs.
- 2. Login to your NNS account.** Click on the "Claim CMEs" link, then enter the CME Code and select the sessions you attended. Your CME certificate will be emailed to the address associated with your registration.

*Please note: To claim the maximum number of credits, physicians must attend the entire program. Please refer to the Continuing Medical Education section to the left for a breakdown of available credits.

Overall Evaluation Survey

All attendees will receive an overall survey via email on July 2.

Your feedback helps us evaluate and improve the program for future years. Please be sure to complete this brief 5 minute survey.

Neurotrauma 2014 Agenda

Sunday, June 29

Sunday

7:00 am - 5:00 pm	Registration Open	Yerba Buena Foyer
7:00 am - 7:45 am	Continental Breakfast	Yerba Buena Foyer
7:30 am - 12:00 pm	Chinese Neurotrauma Association Meeting	Nob Hill A/B
8:00 am - 10:00 am	AANS/CNS: Clinical Biomarkers [2.00 CME] Chair: Uzma Samadani, MD, PhD; NYU Medical Center	Yerba Buena 4/5/6
8:00-8:40	Speech as a Biomarker for TBI - Christian Poellabauer, PhD; University of Notre Dame	
8:40-9:20	Ocular Biomarkers for TBI - Glenn Cockerham, MD; Stanford University	
9:20-10:00	Eye Tracking as a Biomarker for TBI - Uzma Samadani, MD, PhD; NYU Medical Center	
9:00 am - 12:00 pm	SFGH/USCF 13th Annual Symposium [2.75 CME]	Yerba Buena 1/2/3
10:00 am - 10:30 am	Coffee Break & Visit Exhibits	Yerba Buena 7/8
10:30 am - 12:00 pm	AANS/CNS: Current Trials [2.00 CME] Chair: Peter LeRoux, MD; Mainline Health System	Yerba Buena 4/5/6
10:30-11:00	COBRIT Trials - Ross Zafonte, DO; Massachusetts General Hospital	
11:00-11:30	Brain Oxygen Optimization in Severe Traumatic Brain Injury - Peter LeRoux, MD; Mainline Health System	
11:30-12:00	Implications & Limitations of Brain Tissue Oxygenation Clinical Trials- Ramon Diaz-Arrastia, MD, PhD; USUHS	
11:30 pm - 1:30 pm	Journal of Neurotrauma Editorial Board Meeting	Nob Hill C
12:00 pm - 1:00 pm	FREE TIME / LUNCH ON YOUR OWN	
1:00 pm - 2:30 pm	WinTR Business Meeting - Open to all members of WinTR	Nob Hill B
1:00 pm - 2:30 pm	AANS/CNS: Controversies in SCI [1.50 CME] Chair: Geoff Manley, MD, PhD; University of California San Francisco	Yerba Buena 9
1:00-1:30	SCI Surgery Timing: STASCIS Trial - Jefferson Wilson, MD, PhD; University of Toronto	
1:30-2:00	Use of Methyl Prednisolone in SCI: NASCIS 3 Trial - Gregory Hawryluk, MD; UCSF	
2:00-2:30	Therapeutic Hypothermia in SCI - Allan Levi, MD, PhD; University of Miami	
1:30 pm - 4:00 pm	SFGH/USCF 13th Annual Symposium [2.25 CME]	Yerba Buena 1/2/3
2:30 pm - 4:00 pm	NNS Officers & Councilors Meeting	Nob Hill C
2:30 pm - 4:00 pm	AANS/CNS: Novel Therapies for SCI [1.5 CME] Chair: Daniel Lu, MD, PhD; University of California Los Angeles	Yerba Buena 4/5/6
2:30-3:00	Brain Machine Interface - Chengyuan Wu, MD; Thomas Jefferson University	
3:00-3:30	Brain Controlled Muscle Interface - Lee E. Miller, MD; Northwestern University	
3:30-4:00	Cell Replacement Therapy for SCI - Martin Marsala, MD; University of California San Diego	
4:00 pm - 4:30 pm	Coffee Break & Visit Exhibits	Yerba Buena 7/8
4:30 pm - 5:15 pm	Presidential Lecture: Neuromodulation & Rehabilitation After SCI [0.75 CME] Susan Harkema, PhD; University of Louisville	Yerba Buena 9
5:15 pm - 6:00 pm	Public Lecture: Neurotrauma Survivors: A Personal Perspective [0.75 CME] Scott Hamilton, Circumvent Learning Corp. Roman Reed, Roman Reed Foundation	Yerba Buena 9
	Sponsored by  BESINS HEALTHCARE Innovating for Well-being BHR PHARMA, LLC	
6:00 pm - 7:30 pm	Welcome Reception Sponsored by  Mission Connect  National Neurotrauma Society a project of TBI Foundation	Yerba Buena 7/8

Neurotrauma 2014 Agenda

Monday, June 30

7:00 am - 5:00 pm	Neurotrauma Registration Desk Open	Yerba Buena Foyer
7:00 am - 7:45 am	Continental Breakfast / Visit Exhibits / Open Poster Viewing [0.75 CME]	Yerba Buena 7/8
7:45 am - 8:00 am	President's Welcome - Jacqueline Bresahan PhD, UCSF	Yerba Buena 9
8:00 am - 10:00 am	Chronic Traumatic Encephalopathy & Sports Concussions [2.00 CME] Chair: Mayumi Prins, PhD; University of California Los Angeles	Yerba Buena 9
8:00-8:40	Chronic Traumatic Encephalopathy and Tau Bruce Miller, MD; University of California San Francisco	
8:40-9:20	Sequelae of Traumatic Brain Injury: Searching for Mechanisms and a Denominator Steven DeKosky, MD; University of Virginia Health System	
9:20-10:00	Repetitive Head Injury in Sports Mitchel Berger, MD; University of California San Francisco	
10:00 am - 10:30 am	Coffee Break & Visit Exhibits	Yerba Buena 7/8
10:30 am - 12:00 pm	Pediatric TBI [1.50 CME] Chair: Christopher Giza, MD; University of California Los Angeles	Yerba Buena 1-6
10:30-11:00	A Rabbit Model of Pediatric Traumatic Brain Injury Courtney Robertson, MD; Johns Hopkins School of Medicine	
11:00-11:30	Measuring Neuroplasticity and Recovery after Pediatric TBI using Advanced Neuroimaging Methods Tricia Merkley, PhD; Baylor College of Medicine	
11:30-12:00	Found in Translation: Developmental Plasticity as a Therapeutic Target after Pediatric TBI Christopher Giza, MD; University of California Los Angeles	
10:30 am - 12:00 pm	SCI Phase I Transplantation Clinical Trials [1.50 CME] Chair: Kim Anderson-Erisman, PhD; University of Miami	Yerba Buena 9
10:30-11:00	Phase 1 Safety Study of hESC-Derived Oligodendrocyte Progenitors (AST-OPC1) in Subjects with Neurologically Complete Thoracic SCI Edward Wirth, MD, PhD; Asterias Biotherapeutics	
11:00-11:30	Safety and Preliminary Efficacy of Purified Human Neural Stem Cells (HuCNS-SC) Transplanted 3 to 12 months Post SCI Martin Schubert, PhD; University of Zurich	
11:30-12:00	Safety and Feasibility of Autologous Human Schwann Cell (ahSC) Transplantation within 6 weeks Post SCI James Guest, MD, PhD; University of Miami	
10:30 am - 12:00 pm	Feeding the Injured CNS [1.50 CME] Chair: Gregory Holmes, PhD; Penn State University	Yerba Buena 10-15
10:30-11:00	Management of Nutrient Homeostasis in the Acute Phase of CNS Injury Neeraj Badjatia, MD; University of Michigan	
11:00-11:30	Update from the Bench: Where Are We in Modeling and Understanding Gastrointestinal Dysfunction? Gregory Holmes, PhD; Penn State University	
11:30-12:00	The Role of Nutrition in the Lifelong Health Status of the Neurotrauma Population David Gater, PhD; Penn State University	
10:30 am - 12:00 pm	Clinical Trial Design - Considerations for the Future [1.50 CME] Chair: Geoff Manley, MD, PhD; University of California San Francisco	Nob Hill A/B/C
10:30-11:00	Adaptive Clinical Trials William Barsan, PhD; University of Michigan	
11:00-11:30	Designing Inclusive SCI Clinical Trial Protocols John Steeves, PhD; University of British Columbia / ICORD	
11:30-12:00	Precision Medicine Approach for Neurotrauma Geoff Manley, MD, PhD; University of California San Francisco	
12:00 pm - 1:30 pm	FREE TIME - LUNCH ON YOUR OWN	

Monday

Neurotrauma 2014 Agenda

Monday, June 30

Monday

12:00 pm - 1:30 pm	Student / Post-Doc Lunch with NNS Officers & Councilors <i>*Ticket required*</i>	Club Room (Atrium level)
1:30 pm - 3:00 pm	Transplantation & Functional Regeneration Past a SCI [1.50 CME] Chair: Diane Snow, PhD; University of Kentucky	Yerba Buena 9
1:30-2:00	Neural Stem Cells in Models of Spinal Cord Injury Mark Tuszynski, PhD; University of California San Diego	
2:00-2:30	A Novel Growth-Promoting Pathway Promotes Propriospinal Axonal Regeneration after SCI Xiao-Ming Xu, PhD; Indiana University	
2:30-3:00	Functional Regeneration Beyond the Glial Scar Jerry Silver, MD; Case Western Reserve University	
3:00 pm - 3:45 pm	Open Communications Session I: TBI [0.75 CME] Chair: Theresa Carrier-Thomas, PhD; University of Arizona	Yerba Buena 1-6
3:00-3:15	OC1.01 Hyperoxic versus Normoxic Resuscitation in a Rat Polytrauma Model of TBI Plus Hemorrhagic Shock Gary Fiskum, PhD; University of Maryland	
3:15-3:30	OC1.02 Global Metabolomics Profiling Reveals Metabolic Dysregulation, Oxidative Stress and Neurotransmission Alteration after Concussion Ying Deng Bryant, PhD; Walter Reed Army Institute of Research	
3:30-3:45	OC1.03 Mitochondria Associated MicroRNA Expression in Hippocampus Following TBI Joe Springer, PhD; University of Kentucky	
3:00 pm - 3:45 pm	Open Communications Session I: SCI [0.75 CME] Chair: David Magnuson, PhD; University of Louisville	Yerba Buena 9
3:00-3:15	OC3.01 Disrupted Autophagy After Spinal Cord Injury Is Associated with Neuronal Cell Death Shuo Liu, PhD; University of Maryland	
3:15-3:30	OC3.02 Protease Activated Receptor-Mediated Mechanisms of Neural Injury Isobel Scarisbrick, PhD; Mayo Clinic	
3:30-3:45	OC3.03 Development of a Cervical Spinal Cord Contusion Model in Non-Human Primates Ernesto Salegio, PhD; University of California San Francisco	
3:00 pm - 3:45 pm	Open Communications Session I: Clinical [0.75 CME] Chair: Zhifeng Kou, PhD; Wayne State University	Yerba Buena 10-15
3:00-3:15	OC5.01 Neuroendocrine-Immune Dysfunction in Individuals with Poor Outcome After Severe TBI Raj Kumar, PhD; University of Pittsburgh	
3:15-3:30	OC5.02 Phase II Clinical Trials of Cethrin in Acute Cervical Spinal Cord Injury Lisa Bond, PhD; BioAxone BioSciences	
3:30-3:45	OC5.03 Multiple Prior Concussions are Associated with Symptoms in High School Athletes Paul Berkner, PhD; Colby College	
3:00 pm - 4:00 pm	Poster Session I: A1-A5 and T1-T20 [1.00 CME] Student Competition Final Judging	Yerba Buena 7/8
4:00 pm - 5:00 pm	Poster Session I: B1-B5 [1.00 CME]	Yerba Buena 7/8
5:00 pm - 6:00 pm	Wine & Cheese Open Poster Viewing [1.00 CME]	Yerba Buena 7/8
6:00 pm - 7:15 pm	FREE TIME - ON YOUR OWN	
7:15 pm - 8:00 pm	Networking Mixer & "Ask An Expert" Sponsored by 	Yerba Buena 7/8 & Foyer
8:00 pm - 10:00 pm	Movie Screening: "The Crash Reel" Followed by Q&A with special guest speaker, Kevin Pearce Sponsored by 	Yerba Buena 9

Student Poster Competition Finalists

Judging Session: Monday, June 30 at 3:00 pm

Finalist posters are on display from Sunday - Wednesday

T-01 Grant, Daya
University of California, Los Angeles
Repeat Mild Traumatic Brain Injury in Adolescent Rats Accelerates Alzheimer's Disease Pathogenesis

T-02 Ulyanova, Alexandra
University of Pennsylvania
The Development of Epileptogenic Activity after Diffuse Brain Injury in Swine

T-03 Bressler, Scott
Boston University
Auditory Selective Attention Impairments in Blast-Exposed Veterans With Traumatic Brain Injury

T-04 Morganti, Josh
University of California, San Francisco
CCR2 Antagonism Alters Brain Macrophage Polarization and Ameliorates Cognitive Dysfunction Induced by Traumatic Brain Injury

T-05 Macolino, Christine
Thomas Jefferson University
Inflammation in the Pain Pathway in a Model of Mild Closed Head Injury: Implications for Post-Concussion Headache

T-06 Harris, James
University of Pennsylvania
Advanced Biomaterial Strategies for Micro-Tissue Engineered Neural Networks to Restore Brain Circuits

T-07 Simon, Dennis
Children's Hospital of Pittsburgh of UPMC
Increased CSF NLRP3 but Not NLRP1 After Severe Traumatic Brain Injury in Children

T-08 Liao, George
University of Texas Health Science Center at Houston
The Post Traumatic Brain Injury Inflammasome and Response to Autologous Cell Therapy

T-09 Hinzman, Jason
University of Cincinnati
Inverse Neurovascular Coupling to Cortical Spreading Depolarizations in Severe Brain Trauma

T-10 Blaya, Meghan
University of Miami Miller School of Medicine
Genetically-Modified Neural Progenitor Cell Transplantation for the Treatment of Traumatic Brain Injury

T-11 Morioka, Kazuhito
University of California, San Francisco
Early Hindlimb Unloading Produces Maladaptive Plasticity that Limits Functional Recovery after Spinal Cord Injury (SCI)

T-12 Swartz, Emily
Pennsylvania State College of Medicine
Increased Nodose Ganglion Expression of CCK, CCK-1r, and TRPV1 and the Pathophysiology of Vagal Afferent Dysfunction.

T-13 Huie, J. Russell
University of California, San Francisco
Peripheral Nociceptive Input Overdrives AMPA Receptor Activity to Produce Maladaptive Plasticity After Spinal Cord Injury (SCI)

T-14 Okada, Starlyn
University of Louisville
Neuroprotective Effects of Pam3-CSK4 in Spinal Cord Injury

T-15 Wu, Xiangbing
Indiana University-Purdue University Indianapolis
RhoA/Rho Kinase Regulates cPLA2 activation in Spinal Cord Neuronal Toxicity Induced By TNF- α and Glutamate

T-16 von Leden, Ramona
Uniformed Services University of the Health Sciences
18F-FDG PET Imaging of Rat Spinal Cord Injury Shows Depressed Glucose Uptake Correlating With Lesion Volume and Functional Recovery

T-17 Hawryluk, Gregory
University of California, San Francisco
Higher Mean Arterial Blood Pressures Following Human Spinal Cord Injury Correlate With the Greater Neurological Recovery

T-18 Daneshi Kohan, Ehsan
Simon Fraser University
The Effects Of Myelin Retraction And Detachment On Signal Conduction In A Computational Model Of Damaged Axons

T-19 Aceves, Miriam
Texas A&M Health Science Center & Texas A&M Institute for Neuroscience
NorBNI Dose-Dependently Blocks the Adverse Effects of Intrathecal Morphine Administration Following SCI

T-20 Dollé, Jean-Pierre
University of Pennsylvania
Axonal Stretch Injury Results in a Potential Redistribution of Phosphorylated Tau From Axons to the Soma and Dendrites

Poster Session A

3:00 - 4:00 pm - Monday, June 30

Monday - Poster Sessions

TBI NEUROCRITICAL CARE

- A1-01 Yu, Mingkun 3:00 PM - 3:15 PM
Shanghai Changzheng Hospital
The Surgical Strategy of Penetrating Orbito-Cranial Combined Injuries from High Temperature Liquid plastic: Case Report
- A1-02 Naik, Bhiken 3:15 PM - 3:30 PM
University of Virginia
The Intrathoracic Pressure Regulator Lowers Intracranial Pressure In Patients With Altered Intracranial Elastance: A Pilot
- A1-03 Yang, Seung Ho 3:30 PM - 3:45 PM
St. Vincent's Hospital The Catholic University of Korea
Early and Late Tracheostomy after Decompressive Craniectomy for Severe Traumatic Brain Injury
- A1-04 Xu, Zao 3:45 PM - 4:00 PM
Indiana University School of Medicine
Inflammation In Traumatic Brain Injury With Hemorrhagic Shock
- A1-05 Kumar, Sai 3:00 PM - 3:15 PM
SFC Fluidics, Inc
Development of a Portable Cerebral Microdialysis Platform for Automated Inline Multianalyte Detection System
- A1-06 Madden, Lori 3:15 PM - 3:30 PM
University of California, Davis
Validation of the IMPACT Prognostic Models
- A1-07 Rhind, Shawn 3:30 PM - 3:45 PM
DRDC Toronto
Modulation of Inflammatory Cytokine Balance by Sympathetic Nervous System Activation After Traumatic Brain Injury
- A1-08 Brophy, Gretchen 3:45 PM - 4:00 PM
Virginia Commonwealth University
Multimodality Monitoring of Platelet Function in Traumatic Brain Injury Patients with Trauma Induced Coagulopathy
- A1-09 Schneider, Eric 3:00 PM - 3:15 PM
Johns Hopkins University
Trends In Emergency Department Treatment Of Sport-Related Traumatic Brain Injury, 2006-2011
- A1-10 Vavilala, Monica 3:15 PM - 3:30 PM
University of Washington
Acute Care Clinical Indicators Associated with Discharge Outcomes in Children with Severe Traumatic Brain Injury
- A1-11 Goodman, Clay 3:30 PM - 3:45 PM
Baylor College of Medicine
Plasma and Cerebrospinal Fluid Erythropoietin Concentrations Following Erythropoietin Administration in Traumatic Brain Injury
- A1-12 Oshio, Kotaro 3:45 PM - 4:00 PM
St. Marianna University School of Medicine
What Will You See In Intracranial Pressure Waveform Analysis?
- A1-13 Brolliar, Sarah 3:00 PM - 3:15 PM
University of Washington
Factors Associated with Clinician Adherence to Pediatric Traumatic Brain Injury Guidelines: A Qualitative Study
- A1-14 Alali, Aziz 3:15 PM - 3:30 PM
University of Toronto
Comparative Study of Outcome Measures and Analysis Methods for Traumatic Brain Injury Trials
- A1-15 Tubi, Meral 3:30 PM - 3:45 PM
University of California Los Angeles
High Incidence of Delayed Seizures in Severe TBI Patients
- A1-16 Schur, Solon 3:45 PM - 4:00 PM
McGill University
Decompressive Craniectomy In Traumatic Brain Injury: Determining Optimal Flap Size For Better Intracranial Pressure Control
- A1-17 Puccio, Ava 3:00 PM - 3:15 PM
University of Pittsburgh
Brain Tissue Oxygenation And 3, 6-Month Neurological Outcome In Severe Traumatic Brain Injury
- A1-18 Wolahan, Stephanie 3:15 PM - 3:30 PM
University of California Los Angeles
Influence Of Systemic Glucose On Ketogenic Metabolites
- A1-19 Krishnamoorthy, Vijay 3:30 PM - 3:45 PM
University of Washington
The Indo-US Collaborative Head Injury and Adherence to Guidelines (CHIRAG) Project: Outcomes and Feasibility
- A1-20 Bauer, Joshua 3:45 PM - 4:00 PM
University of Pittsburgh School of Medicine
Neurophysiological Testing for Long-Term Prognosis in Severe Traumatic Brain Injured Patients
- A1-21 Nelson, Neta 3:00 PM - 3:15 PM
Besins Healthcare/ BHR Pharma, LLC
Lessons in Critical Care Research from a Global Phase 3 Trial of Progesterone in Patients with Severe TBI
- A1-22 Kuzibaev, Jamshid 3:15 PM - 3:30 PM
Republican Research Center of Emergency Medicine
Treatment Of Refractory Intracranial Hypertension In Patients With Traumatic Intracranial Using Decompressive Craniectomy
- A2-01 Szu, Jenny 3:00 PM - 3:15 PM
University of California, Riverside
Monitoring Mild Traumatic Brain Injury With Polarization-Sensitive Optical Coherence Tomography
- A2-02 Wong, Yong Chiat 3:15 PM - 3:30 PM
DSO National Laboratories
White Matter Injury In A Rodent Model Of Blast Injury
- A2-03 Yoder, Karmen 3:30 PM - 3:45 PM
Indiana University School of Medicine
Using PET to Detect Changes In Brain Blood Flow And Metabolism After Controlled Cortical Impact In Mice
- A2-04 Tong, Karen 3:45 PM - 4:00 PM
Loma Linda Univ. Medical Center
Acute and 1 Year Follow-up MRI of Traumatic Hemorrhagic Brain Lesions after Moderate/Severe Pediatric TBI
- A2-05 Tong, Karen 3:00 PM - 3:15 PM
Loma Linda Univ. Medical Center
Acute Susceptibility-Weighted MRI of Hemorrhagic Brain Lesions and One-Year Neuropsychologic Outcomes after Pediatric TBI
- A2-06 Pronger, Angela 3:15 PM - 3:30 PM
Uniformed Services University of the Health Sciences
Multimodal Neuroimaging with Hypercapnia to Monitor Cerebrovascular Function after Traumatic Brain Injury and Evaluate Treatment
- A2-07 Dodd, Andrew 3:30 PM - 3:45 PM
The Mind Research Network/Lovelace Biomedical and Environmental Research Institute
Multisensory Cognitive Control in an fMRI study of mTBI
- A2-08 Watts, Lora 3:45 PM - 4:00 PM
University of Texas Health Science Center San Antonio
Manganese Enhanced MRI Following Traumatic Brain Injury
- A2-09 Watts, Lora 3:00 PM - 3:15 PM
University of Texas Health Science Center San Antonio
MRI Reveals Widespread Disruptions In CBF And Vascular Reactivity Following Focal TBI
- A2-10 DeGraba, Thomas 3:00 PM - 3:15 PM
National Intrepid Center of Excellence
Resting-State Brain Activity In Mild TBI Patients With High Versus Low Post-Traumatic Stress Disorder Symptom Severity
- A2-11 Harris, Neil 3:30 PM - 3:45 PM
University of California Los Angeles
Network-Based Analysis of Structural Connectivity Reveals Altered Brain Organization after Experimental Brain Injury
- A2-12 Harris, Neil 3:45 PM - 4:00 PM
University of California Los Angeles
Temporal Alterations In Functional Connectivity After Experimental Traumatic Brain Injury
- A2-13 Afzal, Mariam 3:00 PM - 3:15 PM
Center for Neuroscience and Regenerative Medicine (CNRM)
Recruitment, Screening, and Classification of Acute TBI: Advantages of a Multi-Pathway Screening Protocol

Poster Session A

3:00 - 4:00 pm - Monday, June 30

A2-14 Magrath, Elizabeth Center for Neuroscience and Regenerative Medicine (USUHS) Characterizing TBI Radiology Reads Using the Annotation and Image Markup Platform	3:15 PM - 3:30 PM	A2-25 Veeramuthu, Vigneswaran University of Malaya Diffused Tensor Imaging Metrics In Acute Mild Traumatic Brain Injury And Its Correlation With Early Neuropsychological Impairment	3:00 PM - 3:15 PM	A4-03 Wang, Kevin University of Florida Plasma Anti-GFAP Autoantibody Levels During Acute And Chronic Phases Of TBI - A TRACK-TBI Pilot Study	3:30 PM - 3:45 PM
A2-15 Kou, Zhifeng Wayne State University Connectome-Scale Assessments of Structural and Functional Connectivity in Mild Traumatic Brain Injury at the Acute Stage	3:30 PM - 3:45 PM	A2-26 Dempsey, Alison National Institute of Health MRI Targeted Pathology of Acute TBI	3:15 PM - 3:30 PM	A4-04 Geddes, James University of Kentucky Brain Injury Screening by Ocular Analysis (BISON)	3:45 PM - 4:00 PM
A2-16 Tremblay, Sebastien McGill University Diffuse White Matter Tract Anomalies In Aging But Clinically Normal Retired Athletes With A History Of Sports-Related Concussions	3:45 PM - 4:00 PM	A2-27 McEntee, Julie Henry M. Jackson Foundation Cross-Sectional Volumetric Comparison Of Mild And Moderate Traumatic Brain Injury	3:30 PM - 3:45 PM	A4-05 Chandran, Raghavendar Henry M. Jackson Foundation/USUHS Serum MicroRNA Signatures of Closed Head Injury in Mice: A Potential Biomarker for Mild Traumatic Brain Injury	3:00 PM - 3:15 PM
A2-17 Holshouser, Barbara Loma Linda University Early MRI Findings and 1-Year Outcomes in Pediatric Complicated Mild TBI	3:00 PM - 3:15 PM	A2-28 Toth, Arnold University of Pécs Lateral Ventricle Volume Asymmetry Predicts Midline Shift in Severe Traumatic Brain Injury	3:45 PM - 4:00 PM	A4-06 Brophy, Gretchen Virginia Commonwealth University Microtubule-Associated Protein 2 (MAP2) CSF Biokinetic Characteristics Are Associated with Poor Outcomes in Severe TBI Patients	3:15 PM - 3:30 PM
A2-18 Tu, Tsang-Wei National Institute of Health CEST-MRI Is Sensitive In Non-Invasive Detection Of Glucose, Lactate, And Glutamate+Glutamine Interrelation In Mild Close Head TBI	3:15 PM - 3:30 PM	SCI MODELING / IMAGING		A4-07 Bashirelahi, Kylee Uniformed Services University Determining The Feasibility Of Using Heart-Rate Variability For The Identification Of Mild TBI In Asymptomatic Participants	3:30 PM - 3:45 PM
A2-19 Hosomi, Sanae Osaka University Graduate School of Medicine TSPO-PET Imaging After Traumatic Brain Injury In Mice	3:30 PM - 3:45 PM	A3-02 Callahan, Alison Stanford University Minimum Information About a Spinal Cord Injury Experiment (MIASCI): Concepts and integration with the RegenBase Ontology	3:15 PM - 3:30 PM	A4-08 Kumar, Sai SFC Fluidics, Inc Immuno-Chain Reaction: A Novel Ultrasensitive Assay for Rapid Triaging of Brain Injury	3:45 PM - 4:00 PM
A2-20 Failla, Michelle University of Pittsburgh Post-TBI Alterations In Fronto-Limbic Morphometry Are Associated With Depression	3:45 PM - 4:00 PM	A3-03 Nielson, Jessica University of California San Francisco Data-Driven Discovery Of Syndromic Efficacy For Preclinical Drug Trials In Cervical Spinal Cord Injury	3:30 PM - 3:45 PM	A4-09 Wanner, Ina University of California Los Angeles Human Astroglial Markers Are Defined By Release Mechanisms And Are Elevated In TBI Patients' CSF And Serum	3:00 PM - 3:15 PM
A2-21 Diaz-Arrastia, Ramon Center for Neuroscience and Regenerative Medicine Cerebrovascular Dysfunction After Traumatic Brain Injury: Assessment With MRI And NIRS	3:00 PM - 3:15 PM	A3-04 Haefeli, Jenny UCSF Brain and Spinal Injury Center Towards Preclinical Sensory Common Data Elements In Spinal Cord Injury	3:45 PM - 4:00 PM	A4-10 Ritter, Anne University of Pittsburgh GFAP Autoantibody Developmental Trajectories after TBI: Characterization and Associations with Inflammatory markers	3:15 PM - 3:30 PM
A2-22 Shukla, Dinesh Uniformed Services University Correlative MR And PET-FDG Imaging Of Lesion And Contralateral Cortex In Controlled Cortical Impact Brain Injury	3:15 PM - 3:30 PM	A3-05 Zakszewski, Elizabeth The Medical College of Wisconsin Advanced MRI Of The Rat Cervical Spine Following Thoracic Contusion SCI	3:00 PM - 3:15 PM	A4-11 Glenn, Thomas University of California Los Angeles Metabolomic Analysis Of Biofluids From Patients With Severe Traumatic Brain Injury: Influence Of Cerebral Lactate Supplementation	3:15 PM - 3:30 PM
A2-23 Parekh, Mansi Stanford University Baseline Alterations Of Medial Temporal Lobe Substructures In Contact-Sport Athletes	3:15 PM - 3:30 PM	TBI BIOMARKERS		A4-12 Yue, John University of California, San Francisco C-Reactive Protein Augments the Diagnostic Value of Glial Fibrillary Acidic Protein in Detecting Acute CT Intracranial Pathology	3:45 PM - 4:00 PM
A2-24 Puccio, Ava University of Pittsburgh Quantifying White Matter Injury in Traumatic Brain Injury with High Definition Fiber Tracking	3:45 PM - 4:00 PM	A4-01 Lyeth, Bruce University of California, Davis GFAP Fragment Biomarkers After TBI: Evidence For Acute Astrocyte Pathology	3:00 PM - 3:15 PM	A4-13 Crawford, Fiona The Roskamp Institute, Inc. Plasma Lipidomic TBI Biomarker Profiles - Translation From Mouse To Human	3:00 PM - 3:15 PM
		A4-02 Shear, Deborah Walter Reed Army Institute of Research Delayed Consciousness, Sensory-Motor Deficits, And GFAP Levels In Repeated Concussive Impact.	3:15 PM - 3:30 PM		

Poster Session A

3:00 - 4:00 pm

A4-14 Diaz-Arrastia, Ramon 3:15 PM - 3:30 PM
Center for Neuroscience and Regenerative Medicine
Multi-Analyte Biomarker Panel Predicts Functional Outcome
6 Months After Traumatic Brain Injury.

A4-15 Lifshitz, Jonathan 3:30 PM - 3:45 PM
Barrow Neurological Institute at Phoenix Children's Hospital
Extracellular Matrix Biomarkers Are Severity Dependent And
Regional Specific In Experimental Diffuse Brain Injury

A4-16 Bhomia, Manish 3:45 PM - 4:00 PM
Henry M Jackson Foundation/ USUHS S
Identification Of A Putative Panel Of Serum Micrnas For
Diagnosis Of Human Traumatic Brain Injury

A4-17 LaPlaca, Michelle 3:00 PM - 3:15 PM
Georgia Institute of Technology/ Emory University
Lipidomic Profiling of Serum for the Development of Blood
Based Biomarkers for Traumatic Brain Injury

TBI COGNITIVE FUNCTION / DEFICITS

A5-01 Bachstetter, Adam 3:00 PM - 3:15 PM
University of Kentucky
Closed Head Injury Enhances Cognitive Deficits And Disrupts
The Resolution Of The Glia Response In An Alzheimer's
Mouse Model

A5-02 Papesch, Melissa 3:15 PM - 3:30 PM
Portland VAMC
Blast Exposure Impairs The Brain's Ability To Modulate
Sensitivity To Sensory Information: Evidence From The
Veteran Population

A5-03 Chen, Zhiyong 3:30 PM - 3:45 PM
Walter Reed Army Institute of Research
Application of an Active Avoidance Task in Detecting
Cognitive Deficits Following Penetrating Ballistic-like Brain
Injury

A5-04 Kempainen, Samuli 3:45 PM - 4:00 PM
NordLab
The Incidence of Traumatic Brain Injury in the County of
Kainuu, Finland: The Kainuu TBI Cohort

A5-05 Pardini, Jamie 3:00 PM - 3:15 PM
University of Pittsburgh Medical Center
Observed Differences Between Athletes With and Without
ADD At Baseline and Acute Post-Concussion Assessment

A5-06 Serpa, Rebecka 3:15 PM - 3:30 PM
University of California Los Angeles
Repeat Concussions in Female Adolescent Rats Decrease
Social Interactions

Poster Session B

4:00 - 5:00pm - Monday, June 30

TBI REHABILITATION / RECOVERY

B1-01 Ranes, Bethany 4:00 PM - 4:15 PM
U.S. Army Aeromedical Research Laboratory
Evaluation of The Military Functional Assessment
Program: Assessment of The Construct Validity Using
Archived Clinical Data

B1-02 Shetty, Teena 4:15 PM - 4:30 PM
Hospital for Special Surgery
Barriers To Recovery After Concussion

B1-03 Kwon, Tae Gun 4:30 PM - 4:45 PM
Sungkyunkwan University School of Medicine
Effects of Dual Mode Non Invasive Brain Stimulation On
Motor Function In Patients With Chronic Traumatic Brain
Injury

B1-04 Conti, Alana 4:45 PM - 5:00 PM
Wayne State University/John D. Dingell VAMC
Mild Experimental TBI Increases Ethanol Consumption In
The Delayed Post-TBI Period

B1-05 Nguyen, Anthony 4:00 PM - 4:15 PM
The University of Texas at Dallas
Vagus Nerve Stimulation And Nonparetic Limb Training
Modify Stroke Recovery

B1-06 Greif, Taylor 4:15 PM - 4:30 PM
DePaul University
Effectiveness of The SLICE Concussion Education Program
For Chicago Youth

B1-07 DeGraba, Thomas 4:30 PM - 4:45 PM
National Intrepid Center of Excellence
Neuroendocrine And Nutrition Status In Active Duty
Service Members With Mtbi And Psychological Health
Diagnosis

B1-08 Thompson, Floyd 4:45 PM - 5:00 PM
Malcolm Randall VAMC
Dose Response Effects of Acute Administration of
Intrathecal Baclofen (ITB) On TBI-Induced Spasticity

B1-09 Thompson, Floyd 4:00 PM - 4:15 PM
Malcolm Randall VAMC
Therapeutic TMS Reduces TBI Spasticity, Anxiety, And Pain

B1-10 Salois, Garrick 4:15 PM - 4:30 PM
Saginaw Valley State University
Combining Enriched Environment, Progesterone, And
Embryonic Neural Stem Cell Therapy Improves Recovery
Following Brain Injury

B1-11 Lawson, Ben 4:30 PM - 4:45 PM
USAARL
Identification of Military Occupations Most Likely To Suffer
Mild Traumatic Brain Injury (Mtbi) And Related Sensory
Injuries.

B1-12 Pruitt, David 4:45 PM - 5:00 PM
The University of Texas at Dallas
Pairing Vagus Nerve Stimulation With Rehabilitative Training
Enhances Functional Recovery After Traumatic Brain Injury

B1-13 Banfield, Joanne -
Sunnybrook Health Sciences Centre
Canadian Sport For Life: Are We Missing The Vaccine For
Injury?

B1-14 Micci, Maria-Adelaide 4:15 PM - 4:30 PM
UTMB
Impaired Neurogenesis In A Rat Model of Traumatic Brain
Injury

B1-15 Bondi, Corina 4:30 PM - 4:45 PM
University of Pittsburgh
Environmental Enrichment Restores Cognitive Performance
In An Attentional Set-Shifting Test After Traumatic Brain
Injury

B1-16 Zeiger, Max 4:45 PM - 5:00 PM
University of California Los Angeles
Longitudinal Recovery of Reaction Time In Acute And
Chronic Concussion Patients

B1-17 Rabinowitz, Amanda 4:00 PM - 4:15 PM
University of Pennsylvania School of Medicine
Gender Differences In Symptom Report Following Mild TBI In
Adolescents And Young Adults Depend On Age

B1-18 Thomas, Theresa 4:15 PM - 4:30 PM
University of Arizona College of Medicine - Phoenix
Verification of Circuit-Directed Rehabilitation Paradigm For
Brain Injury-Induced Circuit Reorganization

B1-19 Yue, John 4:30 PM - 4:45 PM
University of California, San Francisco
Incidence of Outpatient Follow-Up Services In Functionally-
Recovered Mild TBI Patients

B1-20 Veeramuthu, Vigneswaran 4:45 PM - 5:00 PM
University of Malaya
Attention, Memory And Executive Function Deficits In
Patients With Complicated vs Uncomplicated Mild Traumatic
Brain Injury

B1-21 C. Bourassa, Marie-Eve 4:00 PM - 4:15 PM
Université du Québec à Montréal
Attenuated Electrophysiological Response To Feedback
Following Sports Concussions

B1-22 Curley, Kenneth 4:15 PM - 4:30 PM
US Army Medical Research and Materiel Command
Federal Coordination For Traumatic Brain Injury Research:
The National Research Action Plan

Poster Session B

4:00 - 5:00pm - Monday, June 30

SCI REPAIR/CELL TRANSPLANT/RETRAIN

- B2-01 Hyun, Jung Keun 4:00 PM - 4:15 PM
Dankook Univ
Mesoporous Silica Nanoparticles Can Deliver PTEN Inhibitor And Enhance Neuronal Regeneration Effectively
- B2-02 Kim, Jong-Wan 4:15 PM - 4:30 PM
Department of Nanobiomedical Science
Directly Reprogrammed Neural Stem Cells Enhance Functional Recovery Following Spinal Cord Injury In Rats
- B2-03 Jennifer, Brown 4:30 PM - 4:45 PM
Burke-Cornell Medical Research Institute
Using Transcription Factors To Promote The Survival of Transplanted Cells For Spinal Cord Injury Repair.
- B2-04 Ashki, Negin 4:45 PM - 5:00 PM
University of South Carolina
Mir-21 Overexpression Depletes PTEN And Increases Axonal Phospho-S6 [withdrawn]
- B2-05 Moonen, Gray 4:00 PM - 4:15 PM
University of Toronto
Development of A Lumbar Spinal Cord Injury Model To Examine The Therapeutic Potential of Transplanting Neuronally Induced NSPCS
- B2-06 Awai, Lea 4:15 PM - 4:30 PM
Balgrist University Hospital
Domains of Neural Control of Walking In Human Spinal Cord Injury
- B2-07 Keller, Anastasia 4:30 PM - 4:45 PM
University of Louisville
Hindlimb Muscle Stretch Reduces Locomotor Function After A Spinal Cord Injury: Acute And Chronic Time Points
- B2-08 Silva, Nuno 4:45 PM - 5:00 PM
Life and Health Sciences Research Institute (ICVS)
Improving Locomotion In Spinal Cord Injured Rats: A Bioengineering Approach
- B2-09 Vawda, Reaz 4:00 PM - 4:15 PM
University Health Network
Umbilical Cord Matrix Cell Secretome Reduces Vascular Permeability & Lesion Volume After Traumatic Spinal Cord Injury
- B2-10 Peduzzi Nelson, Jean 4:15 PM - 4:30 PM
Wayne State School of Medicine
Functional Improvement With Intranasally-Delivered Human Olfactory Stem Cells And Exercise And Enrichment In Spinal Cord Injury

TBI COGNITIVE FUNCTION / DEFICITS

- B3-01 Garcia, Roberto 4:00 PM - 4:15 PM
Baylor College of Medicine
Acute Stress Complicating Mild Traumatic Brain Injury In Rodents

B3-02 Chou, Austin 4:15 PM - 4:30 PM
University of California - San Francisco
Effect of Aging On Cognitive Outcome And Neuroinflammatory Response After Traumatic Brain Injury

B3-03 Chou, Austin 4:30 PM - 4:45 PM
University of California - San Francisco
Frontal Lobe Injury And Prefrontal Cortex-Dependent Functions In Mice

B3-04 Vogel, Edward 4:45 PM - 5:00 PM
Columbia University in the City of New York
Primary Blast Injury Eliminates Long-Term Potentiation In Rat Organotypic Hippocampal Slice Cultures

B3-05 Folmer, Robert 4:00 PM - 4:15 PM
Portland VA Medical Center
Electrophysiological Evidence of Auditory And Cognitive Dysfunction In Veterans Exposed To High-Intensity Blasts

B3-06 Wagner, Amy 4:15 PM - 4:30 PM
Univ Pittsburgh
Visual Priming Enhances The Effects of Non-Spatial Cognitive Rehabilitation Training On Spatial Learning After Experimental TBI

B3-07 DeGraba, Thomas 4:00 PM - 4:15 PM
National Intrepid Center of Excellence
Differences In Symptom Severity In Mtbi Patients With And Without PTSD

B3-08 Ghajar, Jamshid 4:45 PM - 5:00 PM
Brain Trauma Foundation
Controlling Confounding Effects In Mtbi Visual Tracking Assessment

B3-09 LaPlaca, Michelle 4:00 PM - 4:15 PM
Georgia Institute of Technology/ Emory University
Display Enhanced Testing of Cognitive Impairment And Mild Traumatic Brain Injury (DETECT): A Novel Tool For Concussion Assessment

B3-10 Vonder Haar, Cole 4:15 PM - 4:30 PM
University of British Columbia
Effects of Frontal TBI On Simple Response Requirements In Rats

TBI PEDIATRIC

- B4-01 Moore, Megan 4:00 PM - 4:15 PM
University of Washington
Acute Care After Pediatric Traumatic Brain Injury: A Qualitative Study of The Family Perspective
- B4-02 Urban, Karolina 4:15 PM - 4:30 PM
University of Calgary
PLAYGAME: A Randomized, Double Blind, Placebo Controlled Trial of Melatonin For The Treatment of Post Concussion Syndrome In Youth

B4-03 Hall, Larry 4:30 PM - 4:45 PM
Children's Healthcare of Atlanta
Effect of A Community Education Program On Pediatrician's Management of Concussions

B4-04 Mahuvakar, Alpa 4:45 PM - 5:00 PM
University of California San Francisco
Matrix Metalloproteinases As Therapeutic Targets For The Injured Pediatric Brain

B4-05 Ewing-Cobbs, Linda 4:00 PM - 4:15 PM
University of Texas Health Science Center at Houston
Emotion Processing Following Pediatric Traumatic Brain Injury

B4-06 Furukawa, Daisuke 4:15 PM - 4:30 PM
David Geffen School of Medicine at UCLA
Sleep Disturbance In Sports Related Concussions In Children

B4-07 Jackson, Travis 4:30 PM - 4:45 PM
University of Pittsburgh
Effect of TBI On RNA Binding Motif 5 (RBM5) And 3 (RBM3) Protein Expression In The Developing Rat Brain

B4-08 Fidan, Emin 4:45 PM - 5:00 PM
University of Pittsburgh
Repetitive Mild Traumatic Brain Injury In The Immature Brain

B4-09 Switzer III, Robert 4:00 PM - 4:15 PM
NeuroScience Associates
Normal Background of Apoptosis In Juvenile Rats Used As Basis To Determine Induced Degeneration By The Neurotoxin MK-801

B4-10 Segal, Andrew 4:15 PM - 4:30 PM
University of California Los Angeles
Examining D-Cycloserine Administration Protocols In Developing Rats Following LFPI And Reducing Variability In pCaMKII Levels

B4-11 Merkel, Steven 4:30 PM - 4:45 PM
Temple University School of Medicine
Moderate Traumatic Brain Injury (TBI) In Adolescent Mice Enhances Cocaine-Induced Place Preference

B4-12 Scafidi, Susanna 4:45 PM - 5:00 PM
Johns Hopkins University School of Medicine
Acetyl-L-Carnitine Improves Metabolic Dysfunction And Behavioral Outcome After Traumatic Brain Injury In Immature Rat

B4-13 Semple, Bridgette 4:00 PM - 4:15 PM
University of California, San Francisco
Long-Term Behavioral Consequences Emerge Over Time After Concussive Injuries At Adolescence

B4-14 Urban, Karolina 4:15 PM - 4:30 PM
University of Calgary
Pediatric Post-Concussion Symptoms Are Associated With Reduced Cortical Communication As Detected With Near-Infrared Spectroscopy

Poster Session B

4:00 - 5:00pm - Monday, June 30

B4-15 Ellis, Timothy Midwestern University Midline Fluid Percussion Injury In The Developing Rodent Results In Diffuse Injury And Deviation Of The Neurovascular Unit	4:30 PM - 4:45 PM	B4-27 Holshouser, Barbara Loma Linda University Acute MRS And DTI Findings After Moderate/Severe Pediatric TBI	4:30 PM - 4:45 PM
B4-16 Biswas, Chaitali University of California, Los Angeles (UCLA) Electrophysiological Signatures of Juvenile Mild Traumatic Brain Injury During Novel Object Recognition	4:45 PM - 5:00 PM	B4-28 Dennis, Emily USC Keck School of Medicine Longitudinal Tract-Based Analysis of Callosal Disruption In Moderate/Severe Pediatric Traumatic Brain Injury	4:45 PM - 5:00 PM
B4-17 Rossi, Janet LSUHSC/Children's Hospital ISG15 An Early Stimulus To Blood-Brain Barrier Disruption After Traumatic Brain Injury In Immature Mice	4:00 PM - 4:15 PM	B4-29 Greco, Tiffany University of California Los Angeles Adolescent Repeat Traumatic Brain Injury Causes Acute Cell Death And Long-Term Inflammation In The Anterior Pituitary of Rats	4:00 PM - 4:15 PM
B4-18 Schober, Michelle University of Utah Neuroprotective Mechanisms of Docosahexaenoic Acid In Rat Pups After Traumatic Brain Injury	4:15 PM - 4:30 PM	B4-30 Kannan, Nithya University of Washington Hypotension Patterns And Vasopressor Choice After Severe Traumatic Brain Injury Across Five Pediatric Trauma Centers	4:15 PM - 4:30 PM
B4-19 DeMaster, Dana UT Health Science Center at Houston Memory And The Hippocampal Formation Following Pediatric Traumatic Brain Injury	4:30 PM - 4:45 PM	B4-31 Choe, Meeryo University of California Los Angeles Postural Orthostatic Tachycardia Syndrome After Mild TBI	4:30 PM - 4:45 PM
B4-20 Emery, Carolyn University of Calgary The Effect of Body Checking And Head Contact Rule Policy Changes On Concussion Risk In Youth Ice Hockey Players	4:45 PM - 5:00 PM	TBI SECONDARY INJURY	
B4-21 Mayer, Andrew Mind Research Network Gray Matter Abnormalities In Pediatric Mild Traumatic Brain Injury	4:00 PM - 4:15 PM	B5-01 Armstrong, Regina USUHS Progression of Myelin Pathology In TBI With Traumatic Axonal Injury of The Corpus Callosum	4:00 PM - 4:15 PM
B4-22 Ewing-Cobbs, Linda University of Texas Health Science Center at Houston Salivary Biomarkers of Stress Reactivity Following Pediatric Traumatic Brain Injury	4:15 PM - 4:30 PM	B5-02 Kibayashi, Kazuhiko School of Medicine, Tokyo Women's Medical University Decreased Serotonin Transporter Expression After Traumatic Brain Injury In A Rat Controlled Cortical Impact Model	4:15 PM - 4:30 PM
B4-23 Duhaime, Ann-Christine Massachusetts General Hospital Pediatric Patients In The TRACK TBI Trial - Testing Common Data Elements In Children	4:30 PM - 4:45 PM	B5-03 Goodus, Matthew Rutgers University Leukemia Inhibitory Factor Deficient Mice Have An Increased Vulnerability To Mild Pediatric Traumatic Brain Injury	4:30 PM - 4:45 PM
B4-24 Piao, Chunshu Ann & Robert H. Lurie Children's Hospital of Chicago Thrombin And Protease-Activated Receptor-1 Are Activated In Intractable Epilepsy In Children	4:45 PM - 5:00 PM	B5-04 McGuire, Jennifer University of Cincinnati Acute Alterations In Glutamate Neurotransmission After Concussive Brain Injury	4:45 PM - 5:00 PM
B4-25 Mills, Brianna University of Washington Facility-Level Characteristics And Pediatric In-Hospital Mortality Following Severe Traumatic Brain Injury	4:00 PM - 4:15 PM	B5-05 Arun, Peethambaran Walter Reed Army Institute of Research Blast Exposure Phosphorylates Tau Preferentially At Serine396, Which Can Trigger Alzheimer's-Like Pathology	4:00 PM - 4:15 PM
B4-26 Todani, Masaki Virginia Commonwealth University The Juvenile Rat Brain Shows Increased Vulnerability To Low Impact Repetitive Injury Over Prolonged Posttraumatic Intervals	4:15 PM - 4:30 PM	B5-06 Cartagena, Casandra Walter Reed Army Insitute of Research Prolonged Increases In 22 Kda Tau Fragment Following Penetrating TBI	4:30 PM - 4:45 PM

Poster Sessions A & B

Author Set-Up Time:

Sunday beginning at 12:00 pm

Poster Viewing Times:

Posters should remain on display from set up until 6:00 pm on Monday

Group A Presentations

Monday from 3:00 to 4:00 pm

Group B Presentations

Monday from 4:00 to 5:00 pm

Wine & Cheese Open Session:

Monday from 5:00 to 6:00 pm

Author Removal Time:

Monday from 6:00 - 6:30 pm

NNS assumes no responsibility for posters left on boards after the poster removal period.

Poster Sessions C & D

Author Set-Up Time:

Monday beginning at 6:30 pm

Poster Viewing Times:

Posters should remain on display from set up until 8:00 am on Wednesday

Group C Presentations

Tuesday from 3:00 to 4:00 pm

Group D Presentations

Tuesday from 4:00 to 5:00 pm

Wine & Cheese Open Session:

Tuesday from 5:00 to 6:00 pm

Author Removal Time:

Wednesday from 8:00 - 10:30 am

NNS assumes no responsibility for posters left on boards after the poster removal period.

Neurotrauma 2014 Agenda

Tuesday, July 1

7:00 am - 5:00 pm	Neurotrauma Registration Desk Open	Yerba Buena Foyer
7:00 am - 7:45 am	Continental Breakfast / Visit Exhibits / Open Poster Viewing [0.75 CME]	Yerba Buena 7/8
7:00 am - 7:45 am	NNS Business Meeting <i>Open to all NNS members</i>	Nob Hill A-B-C
7:50 am - 8:00 am	President's Welcome - Jacqueline Bresnahan PhD, UCSF	Yerba Buena 9
8:00 am - 10:00 am	Synaptogenesis After Neurotrauma [2.00 CME] Chair: John Povlishock, PhD; Virginia Commonwealth University	Yerba Buena 9
8:00-8:40	Synaptic and Network Plasticity Karunesh Ganguly, PhD; University of California San Francisco	
8:40-9:20	Synaptogenesis Forms New Circuits in the Diffuse-Injured Brain Jonathan Lifshitz, PhD; Barrow Neurological Institute at Phoenix Children's Hospital	
9:20-10:00	Impact of Astrogliosis on New Circuit Formation and Synaptogenesis After SCI Michael Sofroniew, PhD; University of California Los Angeles	
10:00 am - 10:30 am	Coffee Break & Visit Exhibits	Yerba Buena 7/8
10:30 am - 12:00 pm	Pediatric TBI: A Legacy of Chronic Deficit [1.50 CME] Chair: Harvey Levin, PhD; Baylor College of Medicine	Yerba Buena 1-6
10:30-11:00	The Emergence of Age-Dependent Social Deficits after Traumatic Injury to the Developing Brain Linda Noble, PhD; University of California San Francisco	
11:00-11:30	Social Cognition 15 Years Following Early Childhood Traumatic Brain Injury Vicki Anderson, PhD; Murdoch Children's Research Institute	
11:30-12:00	The Social Network After TBI: Social Outcome and the Brain Gerri Hanten, PhD; Baylor College of Medicine	
10:30 am - 12:00 pm	Current Advances in Chronic TBI Cognitive Therapies [1.50 CME] Chair: Coleen Atkins, PhD; University of Miami	Yerba Buena 9
10:30-11:00	Combined Therapeutic Paradigms After TBI: Are Two Better Than One? Anthony Kline, PhD; University of Pittsburgh	
10:30-11:00	Determining the Time Window for Successful Experience-Dependent Rehabilitation Grace Griesbach, PhD; University of California Los Angeles	
11:30-12:00	Harnessing Synaptic Plasticity Mechanisms for Chronic TBI Therapeutics Coleen Atkins, PhD; University of Miami	
10:30 am - 12:00 pm	Innovation and Invention in Neurotrauma [1.50 CME] Chair: Michelle LaPlaca, PhD; Georgia Tech / Emory University	Yerba Buena 10-15
10:30-11:00	Invention and Translation of Neurotechnologies: Observations of a Federal R&D Manager Col. Kenneth Curley, MD; US Army Medical Research and Materiel Command	
10:30-11:00	Biohybrid Systems for Neurotrauma: Ideas to Innovation Ranu Jung, PhD; Florida International University	
11:30-12:00	How to Be a Successful Innovator in Neurotrauma Ronald Hayes, PhD; Banyan Biomarkers Inc.	
12:00 pm - 1:30 pm	FREE TIME - LUNCH ON YOUR OWN	
12:00 pm - 1:30 pm	NNS Officers & Councilors Lunch <i>[By invitation only]</i>	Nob Hill C
1:30 pm - 3:00 pm	Advances in Multimodal Imaging of TBI [1.50 CME] Chair: John van Horn, PhD; University of Southern California	Yerba Buena 1-6
1:30-2:00	Multimodal Imaging Reveals the Link Between Early Metabolic Crisis and Cognitive Outcomes Following Traumatic Brain Injury Matthew Wright, PhD; University of California Los Angeles	
2:00-2:30	Computational Considerations in TBI Neuroimaging Data Analysis Guido Gerig, PhD; University of Utah	
2:30-3:00	Brain Atrophy Mapping in Traumatic Brain Injury Using Multimodal Neuroimaging Andrei Irimia, PhD; University of Southern California	

Tuesday

Neurotrauma 2014 Agenda

Tuesday, July 1

Tuesday

1:30 pm – 3:00 pm	Repeat Concussions [1.50 CME] Chair: Mayumi Prins, PhD; University of California Los Angeles	Yerba Buena 9
1:30-2:00	Repetitive Mild TBI in the Developing Brain Hulya Bayir, PhD; Safar Center for Resuscitation Research	
2:00-2:30	Repeat Concussions in Female Adolescent Rats Decrease Social Interactions Mayumi Prins, PhD; University of California Los Angeles	
2:30-3:00	Modeling Repetitive Concussions in Immature Mice Michael Whalen, PhD; Massachusetts General Hospital	
1:30 pm – 3:00 pm	Cognitive Aging and TBI: The Role of Inflammation [1.50 CME] Chair: Susanna Rosi, PhD; University of California San Francisco	Yerba Buena 10-15
1:30-2:00	Inflammaging: The Links Between Aging, Inflammation and Brain Structure and Function Joel Kramer, PhD; University of California San Francisco	
2:00-2:30	Aging, TBI and Inflammation: A Clinical Perspective Hilaire Thompson, PhD; University of Washington	
2:30-3:00	Innate Immune Response and Neuronal Function in the Aging Brain After TBI Susanna Rosi, PhD; University of California San Francisco	
3:00 pm – 3:45 pm	Open Communications Session II: TBI [0.75 CME] Chair: Kathryn Saatman, PhD; University of Kentucky	Yerba Buena 1-6
3:00-3:15	OC2.01 Blast Injury Exacerbates Neuropathology and Impairs Visual Function in a Transgenic APP ^{swE-PSEN1dE9} Mouse Model of AD Matthew Harper, PhD; University of Iowa	
3:15-3:30	OC2.02 Efficient Estimation of Brain Strain Responses in Contact Sports Using a Pre-Computed Model Response Atlas Songbai Ji, PhD; Dartmouth College	
3:30-3:45	OC2.03 A Rabbit Model of Pediatric Traumatic Brain Injury Courtney Robertson, PhD; Johns Hopkins University	
3:00 pm – 3:45 pm	Open Communications Session II: SCI [0.75 CME] Chair: Caitlin Hill, PhD; Burke-Cornell Medical Research Institute	Yerba Buena 9
3:00-3:15	OC4.01 Vibration Exposure Limits for Neurotrauma Patients during Medical Transport: Overview Khalid Barazanji, PhD; U.S. Army Aeromedical Research Laboratory	
3:15-3:30	OC4.02 Disruption of Autophagy Flux Following Spinal Cord Injury in GFP-LC3 Reporter Mice Marta Lipinski, PhD; University of Maryland	
3:30-3:45	OC4.03 Inhibition of NOX2 Reduces Locomotor Impairment, Inflammation and Oxidative Stress After Spinal Cord Injury Kimberly Byrnes, PhD; Uniformed Services University	
3:00 pm – 3:45 pm	Open Communications Session II: Clinical [0.75 CME] Chair: Keith Tansey, MD, PhD; Emory University	Yerba Buena 10-15
3:00-3:15	OC6.01 Report of Longitudinal MRS and DTI after Moderate/Severe Pediatric TBI Barbara Holshouser, PhD; Loma Linda University	
3:15-3:30	OC6.02 Optimizing Neuromodulation for Walking in Human Incomplete Spinal Cord Injury Keith Tansey, MD, PhD; Emory University	
3:30-3:45	OC6.03 Intracranial Pressure Treatment Tailored to Transcranial Doppler-Derived Compliance & Perfusion Gregory Kapinos, MD; Hofstra University	
3:00 pm – 4:00 pm	Poster Session II: C1-C3 [1.00 CME]	Yerba Buena 7/8
4:00 pm – 5:00 pm	Poster Session II: D1-D2 [1.00 CME]	Yerba Buena 7/8
5:00 pm – 6:00 pm	Wine & Cheese Open Poster Viewing II [1.00 CME]	Yerba Buena 7/8
6:00 pm – 7:15 pm	FREE TIME - ON YOUR OWN	
7:15 pm – 7:30 pm	Bus Transportation to Pier 43½ for San Francisco Bay Cruise [Ticket Required]	
8:00 pm – 10:00 pm	San Francisco Bay Cruise Sponsored by 	San Francisco Pier 43½

Poster Session C

3:00 - 4:00 pm - Tuesday, July 1

SCI PROTECTION / SECONDARY INJURY

C1-01 Fandel, Thomas 3:00 PM - 3:15 PM
University of California, San Francisco
Matrix Metalloproteinases As A Therapeutic Target For Supporting Urologic Recovery In A Murine Model Of Spinal Cord Injury

C1-02 Crowdus, Carolyn 3:15 PM - 3:30 PM
University of Kentucky
Gene Expression Changes In Response To Selenium Diet In Spinal Cord Injured Rats

C1-03 Díaz-Galindo, María 3:30 PM - 3:45 PM
Universidad Autónoma de Aguascalientes
Effect Of A GnRH Agonist On Locomotion, Gait And Spinal Cord Morphology In Rats With Spinal Cord Injury.

C1-04 Pan, Jonathan 3:45 PM - 4:00 PM
University of California San Francisco
Modulation Of Inflammatory Responses By Soluble TNF Receptor In A Rat Model Of Cervical Spinal Cord Injury (SCI)

C1-05 Radulovic, Maja 3:00 PM - 3:15 PM
Mayo Clinic
Kallikrein Cascades In Traumatic Spinal Cord Injury: Differential Roles In Axonopathy And Neuron Degeneration

C1-06 Dasari, Venkata Ramesh 3:15 PM - 3:30 PM
University of Illinois College of Medicine at Peoria
Modulation Of Matrix Metalloproteinases After Spinal Cord Injury Improves Functional Recovery Of Rats

C1-07 Sontag, Christopher 3:30 PM - 3:45 PM
University of California San Francisco
Pharmacologically Targeting L-Selectin Improves Outcomes Following Spinal Cord Injury.

C1-08 Liu, Nai-Kui 3:45 PM - 4:00 PM
Indiana University School of Medicine
Role Of Cpla2 In The Pathogenesis Of Spinal Cord Injury

C1-09 Huang, Zhihong 3:00 PM - 3:15 PM
Acorda Therapeutics
AC105 Increases Delivery Of Extracellular Magnesium To Injured Spinal Cord Tissue In Rats

C1-10 Pocratsky, Amanda 3:15 PM - 3:30 PM
University of Louisville School of Medicine
Conditional Silencing Of Adult Rat Spinal Locomotor Circuitry Induces Hopping

C1-11 Saigal, Rajiv 3:30 PM - 3:45 PM
University of California San Francisco
Induced Hypertension Does Not Improve Outcomes In Penetrating Spinal Cord Injury

TBI PROTECTION

C2-01 Tang, Huiling 3:00 PM - 3:15 PM
Emory University
Combination Therapy With Progesterone And Vitamin D Protects The Neurovascular Unit After Traumatic Brain Injury

C2-02 Dunkerson, Jacob 3:15 PM - 3:30 PM
Saginaw Valley State University
Combining Enriched Environment And Induced Pluripotent Stem Cell Therapy Restores Function Following Traumatic Brain Injury

C2-03 Zeng, Yaping 3:30 PM - 3:45 PM
UTMB
Traumatic Brain Injury Reduces Vascular Reactivity In Aging Rat Middle Cerebral Arteries

C2-04 Lu, Xi-Chun 3:45 PM - 4:00 PM
Walter Reed Army Institute of Research
A Combination Therapy Of Phenytoin And Ethosuximide Improved Therapeutic Benefits Against Post-Traumatic Nonconvulsive Seizures

C2-05 Wei, Guo 3:00 PM - 3:15 PM
WRAIR
Therapeutic Window For Selective Brain Cooling Following Penetrating Ballistic-Like Brain Injury In Rats

C2-06 Chen-Roetling, Jing 3:15 PM - 3:30 PM
Thomas Jefferson University
Selective Astrocyte Overexpression Of Heme Oxygenase-1 Is Protective After Intracerebral Hemorrhage

C2-07 Bramlett, Helen 3:30 PM - 3:45 PM
Univ. of Miami School of Med.
Dose-Response Evaluation Of Levetiracetam In The Miami Fluid Percussion Model Of Traumatic Brain Injury: An OBTT Consortium Study

C2-08 Dietrich, W. Dalton 3:45 PM - 4:00 PM
University of Miami Miller School of Medicine
Dose-Response Evaluation Of Simvastatin In The Miami Fluid Percussion Model Of Traumatic Brain Injury: An OBTT Consortium Study

C2-09 Caudle, Krista 3:00 PM - 3:15 PM
Walter Reed Army Institute of Research
Evaluation Of Levetiracetam In The WRAIR PBB1 Model: Studies From The Operation Brain Trauma Therapy (OBTT) Consortium

C2-10 Caudle, Krista 3:15 PM - 3:30 PM
Walter Reed Army Institute of Research
Neuroprotective Effects Of Levetiracetam Requires Extended Treatment In A Rat Model Of Penetrating Ballistic-Like Brain Injury

C2-11 Bachstetter, Adam 3:30 PM - 3:45 PM
University of Kentucky
A Novel Small Molecule Anti-Cytokine Therapeutic Attenuates Downstream Cognitive Behavioral Deficits In A Mouse Model Of TBI

C2-12 Nishida, Hidetaka 3:45 PM - 4:00 PM
Texas A&M Health Science Center
Defining How TSG-6 Improves Long Term Memory After Traumatic Brain Injury In Mice

C2-13 Elmore, Brandy 3:00 PM - 3:15 PM
Southern Illinois University at Carbondale
A Comparative Evaluation Of Memantine And Topiramate: No Evidence Of Functional Recovery Following Traumatic Brain Injury

C2-14 Shear, Deborah 3:15 PM - 3:30 PM
Walter Reed Army Institute of Research
Evaluation Of Simvastatin In The WRAIR PBB1 Model: Studies From The Operation Brain Trauma Therapy (OBTT) Consortium

C2-15 Bartnik Olson, Brenda 3:30 PM - 3:45 PM
Loma Linda University
Early Glucose Supplementation Following Controlled Cortical Impact Injury Does Not Alter Oxidative Metabolism 24 Hrs Post-Injury.

C2-16 Cartagena, Cassandra 3:45 PM - 4:00 PM
Walter Reed Army Institute of Research
Neuroprotective Effects Of Novel Therapeutic NNZ-2591 Following Penetrating TBI.

C2-17 McGuire, Laura 3:00 PM - 3:15 PM
University of Miami Miller School of Medicine
The Development Of Non-Convulsive Seizures Following Mild Traumatic Brain Injury With Mild Hyperthermia In The Rat

C2-18 Morganti, Josh 3:15 PM - 3:30 PM
University of California San Francisco
Differential Effects Of CX3CR1 Or CCR2 Deletion In Hippocampal Inflammatory Response Following Traumatic Brain Injury

C2-19 Adaikkalassamy, David 3:30 PM - 3:45 PM
University of Miami Miller School of Medicine
Pde4b Inhibition Rescues Chronic Memory Deficits Following Traumatic Brain Injury

C2-20 Weisz, Harris 3:45 PM - 4:00 PM
University of Texas Medical Branch
Effects Of Prophylactic Omega-3 Fatty Acid Treatment On TBI-Induced MicroRNA Expression

C2-21 Wilson, Nicole 3:00 PM - 3:15 PM
University of Miami Miller School of Medicine
Phosphodiesterase 4B Inhibition As A Therapeutic For Traumatic Brain Injury

Tuesday - Poster Sessions

Poster Session C

3:00 - 4:00 pm - Tuesday, July 1

C2-22	Lee, Sangmi University of California San Francisco P75NTR Mediates Leukocyte Trafficking In The Brain After Traumatic Brain Injury (TBI) In Mice	3:15 PM - 3:30 PM	C2-33	Marin, Miguel Baylor College of Medicine Degeneration And Protection Of Axonal Sub Domains After Optic Nerve Crush	3:00 PM - 3:15 PM	Oligodendrocytes Of Rats Subjected To Lateral Fluid Percussion Injury (LFPI)	
C2-23	Sun, Dong Virginia Commonwealth University The Effect Of 7, 8-Dihydroxyflavone (7,8-DHF) Following Traumatic Brain Injury	3:30 PM - 3:45 PM	C2-34	Hook, Greg American Life Science Pharmaceuticals The Cysteine Protease Cathepsin B Is A Key Drug Target And Cysteine Protease Inhibitors Are Potential Therapeutics For TBI	3:15 PM - 3:30 PM	C3-10	Macolino, Christine Thomas Jefferson University Cortical Injury Modulates The Pain Pathway Partially Through Inducible Nitric Oxide Synthase
C2-24	Gowans, Amanda DePaul University Transplanted Neurospheres From Genetically Modified Adult Bone Marrow After CCI: Effects On Injury Size And Transplant Survival	3:45 PM - 4:00 PM	C2-35	Yin, Terry University of Iowa Efficacy Of Neuroprotective Compound P7C3-S243 After Blast-Mediated Traumatic Brain Injury	3:30 PM - 3:45 PM	C3-11	Friess, Stuart Washington University at St. Louis Increased Intracranial Pressure Following Controlled Cortical Impact Exacerbates White Matter Axonal Injury And Atrophy
C2-25	Wynne, Karon University of Texas Medical Branch Investigation Of The Effects Of Carboxyfullerene Nanoparticles On The Cerebral Vasculature After Fluid Percussion Injury	3:00 PM - 3:15 PM	TBI SECONDARY INJURY			C3-12	Carlson, Shaun University of Pittsburgh Impaired Synaptic Vesicle Docking Is A Novel Contributor To Reduced Neurotransmission After Traumatic Brain Injury
C2-26	Khan, Mushfiquddin Medical University of South Carolina The Emerging Role Of AMP-Activated Protein Kinase In TBI And Its Pharmacological Regulation By S-Nitrosoglutathione	3:15 PM - 3:30 PM	C3-01	Glushakova, Olena Banyan Biomarkers, Inc. Delayed Microbleeds And White Matter Damage After Experimental Traumatic Brain Injury	3:00 PM - 3:15 PM	C3-13	Dastgheyb, Raha Drexel University Secondary Membrane Damage And The Potential For Membrane-Targeted Neuroprotection
C2-27	Jacobs, Kimberle Virginia Commonwealth University Knockout Of Cyclophilin D Prevents Increased Intrinsic And Synaptic Neuronal Excitability After Mild Traumatic Brain Injury (Mtbj)	3:30 PM - 3:45 PM	C3-02	Boone, Debbie University of Texas Medical Branch Traumatic Brain Injury-Induced Micrnas Suppress Prosurvival Gene Expression	3:15 PM - 3:30 PM	C3-14	Leung, Lai Yee Walter Reed Army Institute of Research Regional And Temporal Histopathological Changes Following Mild Concussive Brain Injury
C2-28	Miller, Darren University of Kentucky The Nrf2-ARE Pathway As A Therapeutic Target In Traumatic Brain Injury: Genetic And Pharmacological Approaches For Neuroprotection	3:45 PM - 4:00 PM	C3-03	Diamond, Matthew University of Pittsburgh Adenosine Kinase Gene Associated With Post-Traumatic Epilepsy Development	3:30 PM - 3:45 PM	C3-15	Leung, Lai Yee Walter Reed Army Institute of Research Region-Specific Impairment Of Cerebral Mitochondrial Bioenergetics Following Penetrating Ballistic-Like Brain Injury In Rats
C2-29	Sutton, Richard University of California Los Angeles Effects Of Ethyl Pyruvate On Markers Of Oxidative Stress And Glycolytic Function After Traumatic Brain Injury	3:00 PM - 3:15 PM	C3-04	Wang, Yushan DRDC Suffield Research Centre Differential Regulation Of The Akt Signaling Pathway In Rat Brain After Primary Blast Induced Traumatic Brain Injury	3:45 PM - 4:00 PM	C3-16	Lee, Stephanie University of Miami Miller School of Medicine The Inflammasome Is Activated In The Cortex And Hippocampus Of Rats Following Penetrating Ballistic Brain Injury
C2-30	Hoda, Md Nasrul Georgia Regents University Remote Ischemic Preconditioning (Riprec) Protects From Traumatic Brain Injury (TBI)	3:15 PM - 3:30 PM	C3-05	Marquis, Andrew Purdue University Endogenous Elevation Of Acrolein Following Acute Traumatic Brain Injury In Rats	3:00 PM - 3:15 PM	C3-17	Ziebell, Jenna Barrow Neurological Inst. at Phoenix Children's Hospital Distribution Of Microglial Morphologies Shift With The Blockade Of Nogo-66 Receptor
C2-31	Ikonomovic, Milos University of Pittsburgh Memantine Hydrochloride As A Therapy For Traumatic Brain Injury: A Preclinical Study Using The CCI Injury Model In Rats	3:30 PM - 3:45 PM	C3-06	Johnson, David Walter Reed Army Institute of Research Microna Dysregulation Occurs At Acute Time Points After Penetrating Ballistic-Like Brain Injury	3:15 PM - 3:30 PM	C3-18	Bedi, Supinder University of Texas, Health Science Center at Houston Time Course Of Microglia/Macrophage Activation After Traumatic Brain Injury In Mice
C2-32	McDonald, Whitney University of California Los Angeles Blocking Lysophosphatidic Acid (LPA) Increases Subventricular Zone Proliferation But Reduces Early Neuroblast Migration After TBI	3:45 PM - 4:00 PM	C3-07	Lucke-Wold, Brandon West Virginia University School of Medicine Connecting Acute Neurotrauma To Chronic Traumatic Encephalopathy: The Role Of The Endoplasmic Reticulum Stress Response	3:30 PM - 3:45 PM	C3-19	Johnson, Victoria University of Pennsylvania SNF Immunohistochemistry Identifies A Previously Undetected Population Of Degenerating Axons Following Traumatic Brain Injury
			C3-08	Hinzman, Jason University of Cincinnati Spreading Depolarizations Mediate Glutamate Excitotoxicity In Development Of Acute Cortical Lesions	3:45 PM - 4:00 PM	C3-20	Shields, Jessi Georgia Regents University Toll-Like Receptor 4 Mediates Post-Traumatic Changes To The Circadian Clock
			C3-09	Fujita, Motoki Yamaguchi University Hospital High Mobility Group Box-1 (HMGB1) Expression In	3:00 PM - 3:15 PM		

Poster Session C

3:00 - 4:00 pm

- C3-21 Winston, Charisse 3:00 PM - 3:15 PM
Georgetown University
Apoe Influence On Dendritic Spine Levels Following Mild Traumatic Brain Injury
- C3-22 Shapiro, Lee 3:15 PM - 3:30 PM
Texas A&M HSC
Altered Neurogenesis Following A Fluid Percussion Injury In Mice
- C3-23 Yan, Hong 3:30 PM - 3:45 PM
University of Pittsburgh
Effect Of Traumatic Brain Injury On Wild-Type Alpha-Synuclein Expression In Rat Hippocampus
- C3-24 Schneider, Brandy 3:45 PM - 4:00 PM
Wayne State University School of Medicine
Augmented Fear Behavior Following Traumatic Brain Injury Is Accompanied By Increased Cortical GABA
- C3-25 Lifshitz, Jonathan 3:00 PM - 3:15 PM
Barrow Neurological Institute at Phoenix Children's Hospital
Astrocyte-Mediated Circuit Reorganization: Evidence From Synaptogenic Expression After Experimental Diffuse Traumatic Brain Injury
- C3-26 Rumney, Benjamin 3:15 PM - 3:30 PM
University of Arizona
Morphological Reorganization Of Thalamic Neurons After Diffuse TBI May Underlie Attenuated Immediate Early Gene Activation
- C3-27 Seidl, Stacey 3:30 PM - 3:45 PM
University of California, Davis
Stimulation Of The Medial Septum Drives Hippocampal Theta Oscillations Leading To Persistent Increases In Theta Phase Coherence
- C3-28 Donovan, Virginia 3:45 PM - 4:00 PM
UC Riverside
Decreased Hemispheric Swelling Following TBI In Mice Lacking TREM2
- C3-29 Rowe, Rachel 3:00 PM - 3:15 PM
Barrow Neurological Institute at Phoenix Children's Hospital
Experimental Diffuse Brain Injury Leads To Chronic Endocrine Dysfunction
- C3-30 Kummer, Terrance 3:15 PM - 3:30 PM
Washington University School of Medicine
Axonal Injury In A Mouse Model Of Subarachnoid Hemorrhage
- C3-31 Gomez-Pinilla, Fernando 3:30 PM - 3:45 PM
University of California Los Angeles
Gene Networks Analysis To Elucidate The Complexity Of TBI
- C3-32 Lipinski, Marta 3:45 PM - 4:00 PM
University of Maryland, Baltimore
Disruption Of Autophagy After TBI Is Associated With Lysosomal Dysfunction And Neuronal Cell Death

Poster Session D

4:00 - 5:00 pm - Tuesday, July 1

TBI PROTECTION

- D1-01 Godbout, Jonathan 4:00 PM - 4:15 PM
The Ohio State University
Methylene Blue Attenuates Traumatic Brain Injury Associated Neuroinflammation And Acute Depressive-Like Behavior In Mice
- D1-02 Watts, Lora 4:15 PM - 4:30 PM
University of Texas Health Science Center San Antonio
Delayed Methylene Blue Improves Lesion Volume And Behavioral Outcome Following TBI.
- D1-03 Gupta, Deepak 4:30 PM - 4:45 PM
AIIMS (All India Institute of Medical Sciences)
Hypothermia In TBI For Control of Intracranial Hypertension As Therapeutic Option: ICP Trends And Graded Hypothermia
- D1-04 Wu, Ping 4:45 PM - 5:00 PM
University of Texas Medical Branch
Stem Cell Transplantation-Mediated Alteration of Microglial Phenotypes In Injured Mouse Brains
- D1-05 Berman, Nancy 4:00 PM - 4:15 PM
Univ. Kansas Med. Ctr.
Changing The Outcome of Traumatic Brain Injury In Mice. No Genes. No Drugs.
- D1-06 Hue, Christopher 4:15 PM - 4:30 PM
Columbia University
Dexamethasone Potentiates Recovery of The Blood-Brain Barrier After Primary Blast Injury In Vitro
- D1-07 Yonutas, Heather 4:30 PM - 4:45 PM
University of Kentucky
Interactions Between Pioglitazone And Mitoneet Ameliorate Mitochondrial Dysfunction Following Traumatic Brain Injury
- D1-08 Leung, Lai Yee 4:45 PM - 5:00 PM
Walter Reed Army Institute of Research
Effect of NNZ-2591 Treatment On Axonal And Synaptic Plasticity Following Penetrating Ballistic-Like Injury In Rats
- D1-09 Shear, Deborah 4:00 PM - 4:15 PM
Walter Reed Army Institute of Research
Evaluation of Combined Administration of Dextromethorphan And Simvastatin In An Experimental Model of Traumatic Brain Injury
- D1-10 Piao, Chunshu 4:15 PM - 4:30 PM
Ann & Robert H. Lurie Children's Hospital of Chicago Research Center
Thrombin Decreases Expression of GLAST And Inhibits Glutamate Uptake In Astrocytes Via The Rho Kinase Pathway
- D1-11 Park, Eugene 4:30 PM - 4:45 PM
St. Michael's Hospital
Remote-Ischemic Preconditioning As A Prophylactic Method To Increase Biological Resilience To Mild Traumatic Brain Injury.
- D1-12 Kumar, Raj 4:45 PM - 5:00 PM
University of Pittsburgh
Acute Interleukin-6 Trajectories After TBI: Relationship To Isolated Injury And Polytrauma And Associations With Outcome
- D1-13 Cao, Yuli 4:00 PM - 4:15 PM
Karolinska Institute
Hypothermia And In Vitro High-Energy Trauma
- D1-14 Kochanek, Patrick 4:15 PM - 4:30 PM
Safar Center for Resuscitation Research, Univ. of Pittsburgh
Multicenter Comparison of Five Therapies Reveals Therapeutic Potential For Levetiracetam: Operation Brain Trauma Therapy
- D1-15 Cebak, John 4:30 PM - 4:45 PM
University of Kentucky
Protective Effects of Phenelzine Against Aldehyde-Induced Ex Vivo Oxidative Damage To Cortical Mitochondria
- D1-16 Brockman, Erik 4:45 PM - 5:00 PM
University of Pittsburgh Medical Center
Polynitroxylated Pegylated Hemoglobin Improves Acute Physiology Vs. Blood After Traumatic Brain Injury Plus Hemorrhagic Shock
- D1-17 Brabazon, Fiona 4:00 PM - 4:15 PM
USUHS
Intranasal Insulin Treatment of Traumatic Brain Injury
- D1-18 Vemuganti, Raghu 4:15 PM - 4:30 PM
University of Wisconsin
ER Stress Inhibitor Salubrinol Is Neuroprotective After TBI
- D1-19 Dixon, C. Edward 4:30 PM - 4:45 PM
University of Pittsburgh
Dose-Response Evaluation of Simvastatin In The Controlled Cortical Impact Model: Operation Brain Trauma Therapy Consortium
- D1-20 Bergold, Peter 4:45 PM - 5:00 PM
State University of New York-Downstate Medical Center
Minocycline And N-Acetylcysteine Limit The Heterogeneous Injury That Arises From A Single Closed Head Impact.
- D1-21 Glushakov, Alexander 4:00 PM - 4:15 PM
University of Florida
Therapeutic Potential of The Prostaglandin E2 EP1 Receptor In Traumatic Brain Injury
- D1-22 Browning, Megan 4:15 PM - 4:30 PM
Children's Hospital of Pittsburgh of UPMC
Benefits of Early Administration of Levetiracetam After Controlled Cortical Impact In Rats: Operation Brain Trauma Therapy
- D1-23 Ferguson, Scott 4:30 PM - 4:45 PM
Roskamp Institute
Spatial Memory Normalization After Treatment With Anatabine Beginning 9 Months After Repetitive Mild TBI

Poster Session D

4:00 - 5:00 pm - Tuesday, July 1

D1-24 Harrison, Jordan Barrow Neurological Institute at Phoenix Children's Hospital Acute Over-The-Counter Pharmacological Intervention Does Not Adversely Affect Behavioral Outcome Following Diffuse Traumatic Brain	4:45 PM - 5:00 PM	TBI MODELING	D2-13 Leung, Lai Yee Walter Reed Army Institute of Research Combined Hypoxemia & Hemorrhagic Shock Worsen Motor But Not Cognitive Function After Penetrating Ballistic-Like Brain Injury	4:00 PM - 4:15 PM
D1-25 Harrison, Jordan Barrow Neurological Institute at Phoenix Children's Hospital Remote Ischemic Conditioning As Pre-Hospital Therapeutic Intervention For Diffuse Traumatic Brain Injury	4:00 PM - 4:15 PM	D2-01 Armstrong, Regina USUHS Heterogeneous TBI Models Reveal Divergent Effects In Neuronal And Oligodendroglial Progenitors	D2-14 Leung, Lai Yee Walter Reed Army Institute of Research Penetrating Ballistic-Like Brain Injury Promotes Time-Dependent Cell Proliferation In Adult Rat Hippocampus	4:15 PM - 4:30 PM
D1-26 Wu, Limin MGH Neuregulin-1 Infusion After TBI In Adolescent Mice Improves Cognitive Performance During Adulthood	4:15 PM - 4:30 PM	D2-02 Wang, Ying Walter Reed Army Institute of Research Characterization of Blast-Induced Vestibular Injury In Rats	D2-15 Leung, Lai Yee Walter Reed Army Institute of Research Comprehensive Evaluation of Chronic Spatial Learning And Working Memory Deficits Following Closed-Head Concussive Injury In Rats	4:30 PM - 4:45 PM
D1-27 Spurlock, Markus University of Miami Multineurotrophin Expressing Fetal Cell Transplant In Penetrating Ballistic Brain Injury (Pbbi)	4:30 PM - 4:45 PM	D2-03 Effgen, Gwen Columbia University Primary Blast Does Not Increase Vulnerability of Brain To Subsequent Primary Blast Or Glutamate Exposure	D2-16 Santamaria, Andrea University of Miami Causes of Injury Variation In A Porcine Thoracic Contusion Model.	4:45 PM - 5:00 PM
D1-28 Olson, Scott University of Texas Medical School at Houston Sequential Beta-Blocker And Cellular Therapy For Traumatic Brain Injury	4:45 PM - 5:00 PM	D2-04 Thorpe, Chevon Edward Via College of Osteopathic Medicine Cellular Mechanisms of Primary Blast- Induced Traumatic Brain Injury: Shock-Wave Neurotrauma	D2-17 Shear, Deborah Walter Reed Army Institute of Research Longitudinal Profile of Sensorimotor Deficits Following Single And Repeated Projectile Concussive Injury (PCI)	4:00 PM - 4:15 PM
D1-29 Gomez-Pinilla, Fernando University of California Los Angeles Activation of BDNF-Trkb Signaling Recruits Metabolic Signals To Improve Functional Recovery Following Brain Trauma	4:00 PM - 4:15 PM	D2-05 Ruppert, Katherine University of Texas Medical Branch Effects of Mild Blast-Induced Neurotrauma On Blood-Brain Barrier Permeability	D2-18 Yang, Zhihui University of Florida Repetitive Mild Traumatic Brain Injury Mice Exhibit Structural And Histopathological Alterations And Long-Term Behavioral Changes	4:15 PM - 4:30 PM
D1-30 Finan, John D. Columbia University Intracerebroventricular Delivery of Chondroitinase ABC Reduces Post-Traumatic Brain Edema In Mice	4:15 PM - 4:30 PM	D2-06 Avitua, Angela University of California, Davis A New Rodent Model of Pediatric Sports-Related Concussion	D2-19 McCabe, Joseph Uniformed Services University of the Health Sciences Characterization of CCI Using High Speed Imaging	4:30 PM - 4:45 PM
D1-31 Hsieh, Christine San Francisco VA CCR2 Deficiency Impairs Macrophage Infiltration And Improves Cognitive Function After Traumatic Brain Injury	4:30 PM - 4:45 PM	D2-07 Wojnarowicz, Mark Boston university Elucidating The Kinematics And Pathobiology of Blast-Related Traumatic Brain Injury And Sequelae In A Mouse Model	D2-20 McCutcheon, Victoria University of Toronto Development And Validation of Two Zebrafish Models of TBI	4:45 PM - 5:00 PM
D1-32 Symes, Aviva USUHS Genetic Deletion of Parkin Enhances Recovery From TBI	4:45 PM - 5:00 PM	D2-08 Harper, Matthew VA Health Care System; University of Iowa Blast-Induced TBI In Mice Elicits A Biphasic Decrement In The PERG That Correlates With Retinal Ganglion Cell Activity	D2-21 Mondello, Stefania University of Messina Comparison of TBI Models Using Brain Damage Markers, And Histological And Behavioral Outcomes In Operation Brain Trauma Therapy	4:00 PM - 4:15 PM
D1-33 Gatson, Joshua UT Southwestern Medical Center Chronic Administration of Resveratrol After Mild TBI Reduces Beta-Amyloid Plaque Load In The Brain of 5XFAD Mice	4:00 PM - 4:15 PM	D2-09 Tumer, Nihal University of Florida Overpressure Blast Injury Induced Structural And Functional Changes In The Brain And Basilar Artery	D2-22 Stemper, Brian Medical College of Wisconsin Characterization of A Laboratory-Based Rodent Rotational Acceleration TBI Device	4:15 PM - 4:30 PM
D1-34 Ji, Jing University of Pittsburgh MicroRNAs Regulate Mitophagy After Traumatic Brain Injury	4:15 PM - 4:30 PM	D2-10 Povlishock, John Virginia Commonwealth University Abstract Title Axonal Injury And Microglial Activation In Micropigs Following Diffuse Brain Injury: An OBTT Consortium Report.	D2-23 Yu, Allen Duke University In Vs. Out: Controversies In Shock Tube Blast Experiments	4:30 PM - 4:45 PM
D1-35 Morganti, Josh University of California San Francisco CX3CR1 Deficiency Ameliorates TBI-Induced Inflammatory Response And Cognitive Dysfunction	4:30 PM - 4:45 PM	D2-11 Sharrow, Keith Walter Reed Army Institute of Research Characterization of A Blast-Induced Brain And Eye Injury Model In Rats	D2-24 Stemper, Brian Medical College of Wisconsin Influence of Head Rotational Acceleration Pulse Shape On Brain Tissue Strains	4:45 PM - 5:00 PM
		D2-12 Scultetus, Anke Naval Medical Research Center A New Model of Traumatic Brain Injury (TBI) Simulating Penetrating Injuries Using A Captive Bolt In Swine		

Poster Session D

4:00 - 5:00 pm - Tuesday, July 1

D2-25 Tagge, Chad Boston University Elucidating The Pathobiology of Impact Concussion In A Mouse Model of Mild Traumatic Brain Injury	4:00 PM - 4:15 PM	D2-37 Cheng, Wai Hang University of British Columbia Biomechanical And Functional Characterization of CHIMERA: A Novel Closed-Head Impact Model of Engineered Rotational Acceleration	4:00 PM - 4:15 PM	D2-38 Mouzon, Benoit Roskamp Institute Longitudinal Evaluation of Histological And Neurobehavioral Changes In A Mouse Model of R-Mtbi: A Follow Up At 2 Years Post Injury	4:15 PM - 4:30 PM
D2-26 Bhatnagar, Tim University of British Columbia Correlating Mechanical Strain And Biological Damage: An In Vivo, Rodent Model of Spinal Cord Injury	4:15 PM - 4:30 PM				
D2-27 McGuone, Declan Massachusetts General Hospital Challenges In Assessing Tau In A Large Animal Model of TBI	4:30 PM - 4:45 PM				
D2-28 Sarvghad-Moghaddam, H. North Dakota State University Computational Investigation of Brain Neurotrauma Biomechanics Under Blast	4:45 PM - 5:00 PM				
D2-29 Sarvghad-Moghaddam, H. North Dakota State University Effect of Space Confinement On The Level of Blast Induced Traumatic Brain Injury	4:00 PM - 4:15 PM				
D2-30 Leonessa, Fabio Uniformed Services University of the Health Sciences Limited Evidence of Brain Injury In Rats Exposed To Explosive-Driven Primary Blast	4:15 PM - 4:30 PM				
D2-31 Verley, Derek University of California Los Angeles Role of The Contralesional Cortex In Forelimb Recovery After Experimental TBI	4:30 PM - 4:45 PM				
D2-32 Hernandez, Fidel Stanford University Finite Element Simulation of Brain Deformation From Six Degree of Freedom Acceleration Measurements of Mild Traumatic Brain Injury	4:45 PM - 5:00 PM				
D2-33 Tucker, Laura Uniformed Services University of the Health Sciences Anxiety-Like Behavior In Mice After Traumatic Brain Injury: Discussion And Comparison of Commonly-Used Tests And Measurements	4:00 PM - 4:15 PM				
D2-34 Ng, Kian Chye DSO National Laboratories Metabolite, Histopathological And Functional Changes In The Hippocampus After Blast Exposure	4:15 PM - 4:30 PM				
D2-35 Pruitt, David The University of Texas at Dallas Controlled-Cortical Impact Reduces Rats' Ability To Sustain Application of Submaximal Force	4:30 PM - 4:45 PM				
D2-36 Namjoshi, Dhananjay The University of British Columbia Neuropathological And Biochemical Assessment of CHIMERA: A Novel Closed-Head Impact Model of Engineered Rotational Acceleration	4:45 PM - 5:00 PM				



The National Neurotrauma Society is committed to the promotion of neurotrauma research by enhancing communications, providing a forum, and increasing support on the National and International level.

As a Member of NNS, you will receive:

- Reduced registration fees to attend the Annual Symposium
- Discounted subscription fees to the Journal of Neurotrauma
- Updates on the activities of the Society and important meetings in the field
- Information on funding sources, research and educational opportunities in the field
- Eligibility for NNS research and travel awards
- Opportunity to serve on Committees and Council
- Women in Neurotrauma Research (WINTR) to promote gender equality through mentoring and networking activities

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2014 TRAVEL GRANT AWARDEES

Aziz Alali, University of Toronto	Gray Moonen, University of Toronto
Lea Awai, Balgrist University Hospital	Maja Radulovic, Mayo Clinic Graduate School
Corina Bondi, University of Pittsburgh	Anne Ritter, University of Pittsburgh
Raghavendar Chandran, Henry M. Jackson Foundation	Benjamin Rumney, University of Arizona
Wai Hang Cheng, University of British Columbia	Hesam Sarvghad-Moghaddam, North Dakota State University
Meeryo Choe, University of California Los Angeles	Brandy Schneider, Wayne State University
Raha Dastgheyb, Drexel University	Jessi Shields, Georgia Regents University
Dana DeMaster, UT Health Science Center at Houston	Dinesh Shukla, Uniformed Services University
Emily Dennis, USC Keck School of Medicine	Nuno Silva, Life & Health Sciences Research Institute
Jacob Dunkerson, Saginaw Valley State University	Jenny Szu, University of California, Riverside
Jordan Harrison, Barrow Neurological Institute	Huiling Tang, Emory University
Christopher Hue, Columbia University	Arnold Toth, University of Pécs, Pécs, Hungary
Anastasia Keller, University of Louisville	Tsang-Wei Tu, National Institute of Health
Stephanie Lee, University of Miami Miller	Cole Vonder Haar, University of British Columbia
Shuo Liu, UMB, School of Medicine	Harris Weisz, University of Texas Medical Branch
Brandon Lucke-Wold, West Virginia University	Charisse Winston, Georgetown University
Darren Miller, University of Kentucky	Heather Yonutas, University of Kentucky
Brianna Mills, University of Washington	

Tuesday - Poster Sessions

Neurotrauma 2014 Agenda

Wednesday, July 2

Wednesday

7:00 am - 3:00 pm	Neurotrauma Registration Desk Open	Yerba Buena Foyer
7:00 am - 7:45 am	Continental Breakfast / Visit Exhibits / Open Poster Viewing [0.75 CME]	Yerba Buena 7/8
7:50 am - 8:00 am	President's Welcome - Jacqueline Bresahan PhD, UCSF	Yerba Buena 9
8:00 am - 10:00 am	Optimizing Rehabilitation Strategies in Neurotrauma [2.00 CME] Sponsored by CRAIG H. NEILSEN FOUNDATION	Yerba Buena 9
	Chair: Michael Beattie, PhD; University of California San Francisco	
8:00-8:40	Harnessing Activity to Promote Corticospinal Tract Axonal Outgrowth and Motor Function After Injury John Martin, PhD; Columbia University	
8:40-9:20	Cellular and Molecular Regulators of Recovery After SCI D. Michele Basso, PhD; Ohio State University	
9:20-10:00	Neuroplasticity and Repair in the CNS Daniel Lu, PhD; University of California Los Angeles	
10:00 am - 10:30 am	NNS Awards Ceremony / iPad Drawing	Yerba Buena 9
10:30 am - 11:00 am	Coffee Break	Yerba Buena 7/8 Foyer
11:00 am - 12:00 pm	Novel Understandings and Approaches for the Future [1.00 CME] Chair: Adam Ferguson, PhD; University of California San Francisco	Yerba Buena 9
11:00-11:30	Applications of TDA (Topological Data Analysis) to Brain Science Pek Lum, MD; Ayasdi Inc.	
11:30-12:00	The Glymphatic System - Potential Roles in Traumatic Brain Injury Maiken Nedergaard, PhD; University of Rochester	
12:00 pm - 1:30 pm	FREE TIME - LUNCH ON YOUR OWN	
12:00 pm - 1:30 pm	WiNTR Lunch Workshops [1.50 CME] [Ticket Required] Sponsored by CRAIG H. NEILSEN FOUNDATION	Yerba Buena 1-6
	Obtaining Funding Information and Resources in Times of Austerity Linda Noble, PhD & Jonathan Lifshitz, PhD	Yerba Buena 1
	Communicating Effectively in Written, Oral, Visual & Digital Modes Diane Snow, PhD & David Magnuson, PhD	Yerba Buena 2
	Publishing Negative Results: When, Where, Why and How? Amy Wagner, PhD & Courtney Robertson, PhD	Yerba Buena 3
	The Digital Laboratory: Becoming "Tech Savvy" in Your Research Program Adam Ferguson, PhD & D. Michele Basso, PhD	Yerba Buena 4
	Research Design for Young Investigators Michelle LaPlaca, PhD & Theresa Currier-Thomas, PhD	Yerba Buena 5
	Current Hot Topics of Interest (Open Discussion) Kathryn Saatman, PhD & John Povlishock, PhD	Yerba Buena 6
1:30 pm - 2:30 pm	Chronic Pain and CNS Injury [1.00 CME] Sponsored by Mission Connect <small>a project of NTR Foundation</small>	Yerba Buena 9
	Chair: Claire Hulsebosch, PhD; University of Texas Medical Branch	
1:30-2:00	Functional and Neurobiological Consequences of Opioid Administration in a Rodent Model of SCI Michelle Hook, PhD; Texas A&M University	
2:00-2:30	Transplant-Mediated Repair of Spinal Cord GABAergic Inhibitory Circuitry to Treat the "Disease" of Neuropathic Pain Allan Basbaum, PhD; University of California San Francisco	

Neurotrauma 2014 Agenda

Wednesday, July 2

2:30 pm - 4:00 pm	Translational Concepts in Cognitive Rehabilitation [1.50 CME] Chair: Amy Wagner, PhD; University of Pittsburgh	Yerba Buena 1-6
2:30-3:00	Cognitive Constructs in Rodents: A Roadmap for Assessing Cognitive Dysfunction and Recovery after TBI Edda Thiels, PhD; University of Pittsburgh	
3:00-3:30	CCI Model As An Exemplar To Study Implicit & Explicit Learning & Memory Networks & Develop An Experimental Cognitive Rehab Model Amy Wagner, PhD; University of Pittsburgh	
3:30-4:00	Clinical Approaches to Cognitive Training in NeuroRehabilitation: Translating the Bench to the Bedside and Back Again Elizabeth Skidmore, PhD; University of Pittsburgh	
2:30 pm - 4:00 pm	Sensory Disorders After Military Brain Injury [1.50 CME] Chair: Frederick Gallun, PhD; Portland VA Medical Center	Yerba Buena 9
2:30-3:00	Sensory and Communication Disorders in TBI and Polytrauma Henry Lew, MD, PhD; University of Hawaii, VCU, DVBC	
3:00-3:30	Functional Measures of Hearing Performance in Blast-Exposed Military Personnel Douglas Brungart, PhD; Walter Reed National Military Medical Center	
3:30-4:00	Central Auditory Processing Following Blast Exposure in a Veteran Population: Behavioral and Electrophysiological Evidence Frederick Gallun, PhD; Portland VA Medical Center	
2:30 pm - 4:00 pm	SCI and TBI Model Selection (Roundtable) [1.50 CME] Chair: Stephen Scheff, PhD; University of Kentucky	Yerba Buena 10-15
2:30-3:00	History and Description of Current Models Used in Experimental TBI Stephen Scheff, PhD; University of Kentucky	
3:00-3:30	Spinal Cord Injury Models and Trials: The Fascination of What's Difficult Andrew Blight, PhD; Acorda Therapeutics	
3:30-4:00	The Use of Animals Models in SCI for Rationalizing Clinical Translation: Pros and Cons Brian Kwon, PhD; University of British Columbia	
4:00 pm - 4:15 pm	Closing Remarks & Introduction of 2015 President	Yerba Buena 9
4:30 pm - 5:30 pm	NNS 2015 Planning Committee Meeting	Nob Hill D



The Women in Neurotrauma Research Visiting International Scholar Award (WINTR-VISA) was established to promote international networking opportunities, and to advance the early careers of women neurotrauma researchers. The Award provides an opportunity for international collaboration by subsidizing both travel to the National Neurotrauma Symposium and a brief period of research training/collaboration in a sponsor's laboratory.

The winner for 2014 is Dr. Patricia Washington from Georgetown University. In addition to attending the upcoming 32nd Annual NNS Symposium in San Francisco, Dr. Washington will participate in on-site collaborative research at the Southern General Hospital in Glasgow, UK, in the neurotrauma research laboratory of Dr. William Steward.

The award will be officially recognized during the NNS Awards Ceremony on Wednesday July 2nd. Please join us to congratulate Dr. Washington on her achievement!

Invited Faculty Speakers & Chairs

NAME	DEGREE	UNIVERSITY/ COMPANY	DAY	ROLE
Vicki Anderson	PhD	Murdoch Children's Research Institute	TUES	Speaker
Kim Anderson-Erisman	PhD	University of Miami	MON	Chair
Coleen Atkins	PhD	University of Miami	TUES	Speaker/Chair
Neeraj Badjatia	MD	University of Maryland	MON	Speaker
William Barsan	PhD	University of Michigan	MON	Speaker
Allan Basbaum	PhD	University of California San Francisco	WED	Speaker
D. Michele Basso	PhD	Ohio State University	WED	Speaker
Hülya Bayir	PhD	Safar Center for Resuscitation Research	TUES	Speaker
Michael Beattie	PhD	University of California San Francisco	WED	Chair
Mitchel Berger	MD	University of California San Francisco	MON	Speaker
Andrew Blight	PhD	Acorda Therapeutics, Inc.	WED	Speaker
Jacqueline Bresnahan	PhD	University of California San Francisco	MON	Program Chair
Douglas Brungart	PhD	Walter Reed NMMC	WED	Speaker
Glenn Cockerham	MD	Stanford University	SUN	AANS Speaker
Kenneth Curley	MD	US Army	TUES	Speaker
Steven DeKosky	MD	University of Virginia	MON	Speaker
Ramon Diaz-Arrastia	MD, PhD	UnSUHS	SUN	AANS Speaker
Adam Ferguson	PhD	University of California San Francisco	WED	Chair
Candace Floyd	PhD	University of Alabama	WED	Abstract Chair
Frederick Gallun	PhD	Portland VA Medical Center	WED	Speaker
Karunesh Ganguly	PhD	University of California San Francisco	TUES	Speaker
David Gater	PhD	Penn State Hershey Medical Center	MON	Speaker
Guido Gerig	PhD	University of Utah	TUES	Speaker
Christopher Giza	MD	University of California Los Angeles	MON	Speaker/Chair
Grace Griesbach	PhD	Centre for Neuroskills	TUES	Speaker
James Guest	MD, PhD	University of Miami	MON	Speaker
Scott Hamilton		Circumventure Learning Corp.	SUN	Keynote Speaker
Gerri Hanten	PhD	Baylor College of Medicine	TUES	Speaker
Susan Harkema	PhD	University of Louisville	SUN	Speaker
Gregory Hawryluk	PhD	University of California San Francisco	SUN	AANS Speaker
Ron Hayes	PhD	Banyan Biomarkers, Inc.	TUES	Speaker
Caitlin Hill	PhD	Burke-Cornell Medical Research Institute	TUES	Chair
Gregory Holmes	PhD	Penn State University College of Medicine	MON	Speaker/Chair
Michelle Hook	PhD	Texas A&M University	WED	Speaker
Claire Hulsebosch	PhD	University of Texas Medical Branch	WED	Chair
Andrei Irimia	PhD	University of Southern California	TUES	Speaker
Ranu Jung	PhD	Florida International University	TUES	Speaker
Anthony Kline	PhD	University of Pittsburgh	TUES	Speaker
Zhifeng Kou	PhD	Wayne State University	MON	Chair
Joel Kramer	PhD	University of California San Francisco	TUES	Speaker
Brian Kwon	PhD	University of British Columbia	WED	Speaker
Michelle C. LaPlaca	PhD	Georgia Tech/Emory	TUES	Chair
Peter LeRoux	MD	Mainline Health System	SUN	AANS Speaker
Allan Levi	MD, PhD	University of Miami	SUN	AANS Speaker
Harvey Levin	PhD	Baylor College of Medicine	TUES	Chair
Henry Lew	MD, PhD	University of Hawaii and VCU	WED	Speaker
Jonathan Lifshitz	PhD	University of Arizona	TUES	Speaker
Daniel Lu	PhD	University of California Los Angeles	WED	Speaker
Pek Lum	MD	Ayasdi Inc.	WED	Speaker

Invited Faculty Speakers & Chairs

NAME	DEGREE	UNIVERSITY/ COMPANY	DAY	ROLE
David Magnuson	PhD	University of Louisville	MON	Chair
Geoff Manley	MD, PhD	University of California San Francisco	MON	Speaker
Martin Marsala	MD	University of California San Diego	SUN	AANS Speaker
John Martin	PhD	City University of New York	WED	Speaker
Tricia Merkle	PhD	Baylor College of Medicine	MON	Speaker
Lee Miller	MD	Northwestern University	SUN	AANS Speaker
Bruce L. Miller	MD	University of California San Francisco	MON	Speaker
Maiken Nedergaard	PhD	University of Rochester	WED	Speaker
Linda Noble-Haeusslein	PhD	University of California San Francisco	TUES	Speaker
Kevin Pearce		Kevin Pearce Foundation/Love Your Brain	MON	Keynote Speaker
Christian Poellabauer	PhD	University of Notre Dame	SUN	AANS Speaker
John Povlishock	PhD	Virginia Commonwealth University	TUES	Chair
Mayumi Prins	PhD	University of California Los Angeles	TUES	Speaker/Chair
Roman Reed		Roman Reed Foundation	SUN	Keynote Speaker
Courtney Robertson	MD	Johns Hopkins University	MON	Speaker
Susanna Rosi	PhD	University of California San Francisco	TUES	Speaker/Chair
Kathryn Saatman	PhD	University of Kentucky	TUES	Chair
Uzma Samadani	MD, PhD	NYU Medical Center	SUN	AANS Speaker
Stephen Scheff	PhD	University of Kentucky	WED	Speaker/Chair
Martin Schubert	PhD	University of Zürich	MON	Speaker
Jerry Silver	MD	Case Western Reserve Univ	MON	Speaker
Elizabeth Skidmore	PhD	University of Pittsburgh	WED	Speaker
Diane Snow	PhD	University of Kentucky	WED	Chair
Michael Sofroniew	PhD	University of California Los Angeles	TUES	Speaker
John Steeves	PhD	University of British Columbia	MON	Speaker
Keith Tansey	MD, PhD	Emory University	TUES	Chair
Edda Thiels	PhD	University of Pittsburgh	WED	Speaker
Theresa C. Thomas	PhD	University of Arizona	MON	Chair
Hilaire Thompson	PhD	University of Washington	TUES	Speaker
Mark Tuszynski	PhD	University of California San Diego	MON	Speaker
John Van Horn	PhD	University of Southern California	TUES	Chair
Amy Wagner	PhD	University of Pittsburgh	WED	Speaker/Chair
Michael Whalen	PhD	Harvard University	TUES	Speaker
Jefferson Wilson	MD, PhD	Toronto University Hospital	SUN	AANS Speaker
Edward Wirth	MD, PhD	Asterias Biotherapeutics, Inc.	MON	Speaker
Matthew Wright	PhD	University of California Los Angeles	TUES	Speaker
Chengyuan Wu	MD	Thomas Jefferson University	SUN	AANS Speaker
Xiao-Ming Xu	PhD	Indiana University School of Medicine	MON	Speaker
Ross Zafonte	DO	Massachusetts General Hospital	SUN	AANS Speaker

Neurotrauma 2014

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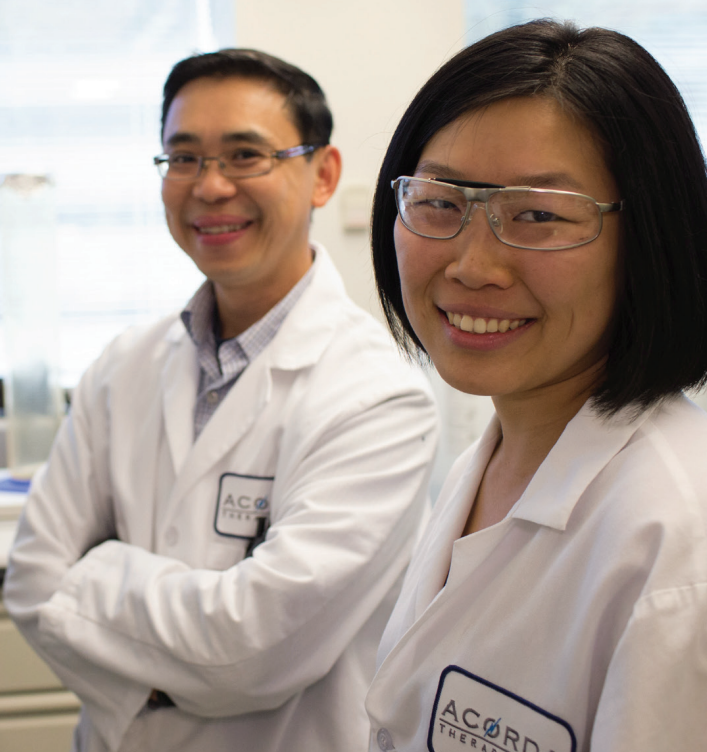
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