

CBI RESEARCH DAY
POSTER LISTING | MARCH 7, 2024

Session A: 2:30PM-3:30PM

Session B: 4:00PM-5:00PM

POSTER #	SESSION	FIRST NAME	LAST NAME	LEVEL	ABSTRACT TITLE	MENTOR
1	A	Kris	Martens	Assistant Professor	Metagenomic sequencing to better understand gut microbiome contributions to TBI	
2	B	Ilaria	Palmisano	Assistant Professor	Cohesin-dependent three-dimensional chromatin looping is required for axonal regeneration after injury	
3	A	Marjean	Kulp	Professor	Quality of Life in concussed and non-concussed children with Symptomatic Eye Teaming, Focusing, and Tracking Problems	
4	B	Giles	Plant	Professor	Combined Transplantation of Mesenchymal Progenitor and Neural Stem Cells to Repair Cervical Spinal Cord Injury.	
5	A	Giles	Plant	Professor	Human Corticospinal Neurons Derived from iPSC Transplanted to Repair Chronic Cervical Spinal Cord Injury	
6	B	Sarah	Anderson	Postdoctoral Researcher	Using virtual technology to address home safety concerns for adolescents with brain injury: results from an exploratory mixed-methods pilot study	Lauren Wengerd
7	A	Nii-Ayi	Aryeetey	Research Staff	Examining the role of the arcuate fasciculus on reading development by studying repetitive head impact	Zeynep Saygin
8	B	Maria	Balch	Postdoctoral Researcher	Sample Procurement in the Operating Room: Advancing Clinical Research in a Learning Health System	Dana McTigue
9	A	Noor	Chaudhry	Research Staff	Dynamic balance and gait, but not static balance, are positively associated with episodic memory performance across the adult lifespan	Scott Hayes
10	B	Matthew	Farrow	Postdoctoral Researcher	The effect of low-glycemic index diet on postprandial hypotension in spinal cord injury: a case-series	Ceren Yazar-Fisher
11	A	Jillian	Graham	Research Staff	Individual differences impact the relationship between cardiorespiratory fitness, visual episodic memory, and parahippocampal cortex thickness.	Scott Hayes
12	B	Yasufumi	Hayano	Postdoctoral Researcher	Peripheral cancer remotely induces bilateral pain through excitation of the anterior cingulate cortex	Hiroki Taniguchi
13	A	M Shifatul	Islam	Research Scientist	Stroke Diagnosis and Monitoring Using Microwave Imaging	Asimina Kiourti
14	B	Enora	Le Flao	Postdoctoral Researcher	Concussion Symptoms in Law Enforcement Cadets Undergoing Defensive Tactics Training	Jaclyn Caccese
15	A	Da	Lin	Research Staff	Arachidonic acid mobilization and peroxidation promote microglial dysfunction in Ab pathology	Jie Gao
16	B	Jenna	McCloskey	Research Staff	Traumatic brain injury increases risk aversion in a probability discounting task and risky decision-making on a gambling task	Cole Vonder Haar
17	A	Raquel	Minarsch	Research Staff	Assessing non-invasive spinal Stimulation and PT/OT for motor Improvement Response with ExaStim (ASPIRE)	Ceren Yazar-Fisher
18	B	Sinae	Park	Research Staff	Developmental Stages of First Concussion and Psychological Outcomes in Young Adulthood	Jasmeet Hayes
19	A	Peipei	Qi	Research Staff	Transcriptional regulations underlying the terminal differentiation of murine cortical chandelier cells	Hiroki Taniguchi
20	B	Debasish	Roy	Postdoctoral Researcher	Promoting CNS axon regeneration by manipulating cholesterol	Andrea Tedeschi

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21	A	Christopher	Rundus	Postdoctoral Researcher	Association of Elevated Concussive Symptoms on Driving Performance: A Comparison between Adolescent Drivers with Mild Traumatic Brain Injury and Matched Healthy Controls	Ginger Yang
22	B	Tyler	Shannon	Research Staff	Genetic diversity drives extreme responses to traumatic brain injury and post-traumatic epilepsy	Bin Gu
23	A	Marissa	Smail	Postdoctoral Researcher	Profiling acute immune and chronic behavioral effects of pediatric traumatic brain injury in rats	Kathryn Lenz
24	B	Morgan	Taylor	Postdoctoral Researcher	Tissue-specific bulk RNA sequencing reveals effects of traumatic brain injury and post-injury sleep fragmentation on the microglial	Olga Kokiko-Cochran
25	A	Jingyun	Zhang	Postdoctoral Researcher	Chandelier cells in the anterior cingulate cortex play a critical role in determining the pain threshold in physiological and pathological states	Hiroki Taniguchi
26	B	Fangda	Zhang	Research Scientist	A simulator study assessing the association between symptom severity and driving performance post mild traumatic brain injury in young drivers	Ginger Yang
27	A	Zachary	Zimomra	Research Staff	The Effects of Sleep Fragmentation on Plasma Corticosterone in Mice with Traumatic Brain Injury.	Olga Kokiko-Cochran
28	B	Adam	Culiver	Postdoctoral Researcher	Does Neck Strength Predict Head Impacts in Youth Football Players?	Jaclyn Caccese
29	A	Anna	Quatrale	Research Staff	Examining Variability of High-Level Visual Categories Across Development	Zeynep Saygin
30	B	Grace	Amadon	Graduate Student	Examining the relationship between gait, balance, processing speed, and executive function across the lifespan	Scott Hayes
31	A	Aashi	Anne	Graduate Student	Investigating the Role of NG2+ Glial Cells in Chronic Spinal Cord Injury Recovery using Transgenic mice	Dana McTigue
32	B	Rebecca	Boland	Graduate Student	Investigating the Role of the Peripheral Immune System in post-TBI SF	Olga Kokiko-Cochran
33	A	Christopher	Cotter	Graduate Student	Sleep Fragmentation compromises Sleep Recovery Patterns Following Traumatic Brain Injury	Olga Kokiko-Cochran
34	B	Amara	Davis	Graduate Student	Interleukin-1 Receptor-1 Signaling mediates Neuroinflammation, Neuronal Dysfunction, and Cognitive Decline after Diffuse Traumatic Brain	Jonathan Godbout
35	A	Samantha	DeAngelo	Graduate Student	Youth Football Head Impact Exposure Differences Based on Four Data Cleaning Methods	Jaclyn Caccese
36	B	Olivia	Horn	Graduate Student	Examining self-reported moderate-to-vigorous physical activity, actigraphy metrics, and subjective cognitive complaints across the lifespan	Scott Hayes
37	A	Sam	Houle	Graduate Student	Stress Exposure Following Traumatic Brain Injury Dampens Acute Inflammatory Gene Transcription	Olga Kokiko-Cochran
38	B	Ali	Kaiss	Graduate Student	Estimating Heart Rate Variability (HRV) Using a Wearable Magnetocardiography (MCG) Sensor	Asimina Kiourti
39	A	Sarah	Kaye	Graduate Student	The E3 Ubiquitin Ligase IDOL Regulates Microglial Phagocytosis in Alzheimer's Disease	Jie Gao
40	B	Tae Yeon	Kim	Graduate Student	Excitatory neuronal PLCG2 correlates with tau pathology in Alzheimer's disease	Hongjun Fu

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41	A	Ana	Leon-Rodriguez	Graduate Student	Primed microglia and increased hypothalamic neuroinflammation after acute stress in traumatic brain injured-mice	Jonathan Godbout
42	B	Sabrina	Mackey-Alfonso	Graduate Student	The Neuroinflammatory Impact of High Fat Diet on Memory and Synaptic Degradation in an AD Model	Ruth Barrientos
43	A	Emika	Miller	Graduate Student	Expert Interprofessional Community Advisory Board to Inform Dementia Caregiving Research	Kathy Wright
44	B	Jenna	Rajczyk	Graduate Student	Broadband access may influence variation in Alzheimer's disease and related dementias prevalence in Central Appalachia	Jeffrey Wing
45	A	Jenna	Rajczyk	Graduate Student	State-level effect of Medicaid expansion on Alzheimer's disease and related dementias mortality	Jeffrey Wing
46	B	Nicole	Saltiel	Graduate Student	Health Outcomes in Contact Sport Athletes: The BUCKS Study	Jasmeet Hayes
47	A	Carly	Smith	Graduate Student	Examining Sex and Neck Strength as Risk and Protective Factors for Repetitive Head Impact Exposure in Law Enforcement Cadets	Jaclyn Caccese
48	B	Jessica	Stark	Graduate Student	Exploring the association between sedentary behavior, cardiorespiratory fitness, and episodic memory in aging.	Scott Hayes
49	A	Matthew	Stauder	Graduate Student	Physical fitness mediates the relationship between physical activity and executive functions in aging.	Scott Hayes
50	B	Julie	Strominger	Graduate Student	Density of Physical Activity Resources is Associated with Post-Stroke Physical Activity	Jeffrey Wing
51	A	Chao	Sun	Graduate Student	Axon-Glial Mechanotransduction Induced by a Concussive Head Impact	Chen Gu
52	B	Alejandra	Zaleta Lastra	Graduate Student	Effects of Early Life Stress + Adult TBI model development: Microglia as mediators of brain and behavioral outcomes	Kathryn Lenz
53	A	Gregory	Edwards	Graduate Student	Comparing Horizontal Smooth Pursuit Outcomes after Concussion	Jaclyn Caccese
54	B	Jonathan	Packer	Graduate Student	Impaired Cortical Neuronal Homeostasis and Cognition after Diffuse Traumatic Brain Injury Are Dependent on Phosphatase and Tensin Homolog	Jonathan Godbout
55	A	Habib	Akouri	Undergraduate Student	The Impact of Pediatric Traumatic Brain Injury on Mast Cell and Oxytocin Content in Social Brain Regions in Rats	Kathryn Lenz
56	B	Alex	Bruggeman	Undergraduate Student	Test-Retest Reliability using the Neurolign Dx-100TM for Oculomotor Testing in Healthy Adults	Jaclyn Caccese
57	A	Shannon	Dobres	Undergraduate Student	Sleep Fragmentation Influences Sleep Behavior following Traumatic Brain Injury 3 Days Post Injury	Olga Kokiko-Cochran
58	B	Durshil	Doshi	Undergraduate Student	Inter-rater Reliability Between Two Raters For Repetitive Head Impact Counts In Youth Tackle Football	Jaclyn Caccese
59	A	Lucas	Ecker	Undergraduate Student	Examining the interaction of age and objective sleep quality on episodic memory performance	Scott Hayes
60	B	Hayes	Johnson	Undergraduate Student	Deciphering the microstructure of the central nervous system white matter extracellular space	Wenjing Sun
62	B	Ethan	Ma	Undergraduate Student	Deferoxamine Mesylate in Serum Containing and Serum-Free Environments alters Adult Schwann Cell Survivability under Hydrogen Peroxide	Giles Plant

63	A	Carly	McPherson	Undergraduate Student	Effect of Baseline Neck Strength on HAE Magnitude in Adolescent Female Soccer Players	Jaclyn Caccese
64	B	Florencia	Ontiveros	Undergraduate Student	Thalamic Volume in Children with Traumatic Brain injury Linked to Adaptive Functioning Outcomes	Kristen Hoskinson
65	A	Neha	Rao	Undergraduate Student	Oligodendrocyte progenitor cell deletion disrupts early glial scar formation following spinal cord injury	Dana McTigue
66	B	Eric	Schwegler	Undergraduate Student	Printed Circuit Board to Control Remote Food Dispenser for Assessing Pig Cognition	Cole Vonder Haar
67	A	Ella	Snead	Undergraduate Student	Barriers and facilitators to engaging in physical activity in individuals with chronic brain injury: A qualitative study	Catherine Quatman-Yates
68	B	Nick	Sweeney	Undergraduate Student	Neuronal BAG3 attenuates AD-like pathology and cognitive deficits induced by traumatic brain injury via the regulation of autophagy-lysosome pathway	Hongjun Fu
69	A	Sheeny	Vo	Undergraduate Student	MAPT R406W mutation reduces neural activity and oscillations in human neural organoids.	Hongjun Fu
70	B	Olivia	VonDeylen	Undergraduate Student	Youth Sleep Quantity and Quality and Symptom Duration in the First Week Post-Concussion	Ginger Yang
71	A	Emily	Yu	Undergraduate Student	Infrared Modulation of Motor Cortex and Related Pathways	Zeynep Saygin
72	B	Anna	Lanier	Undergraduate Student	Understanding the Role of Glia in Postnatal Brain Injury	Tracy Bedrosian