

*INSTRUCTIONS: view all presentations of interest and note your questions within the portal. LIVE Q&A sessions for these presentations will be held at 7:00-9:00 AEDT TUE 9 FEB*

MONDAY 8 FEBRUARY 2021

**Keynote Address - Update on neurotrauma clinical trials**

The emerging science and art of precision medicine in TBI care – lessons from IntBIR  
**David Menon, University of Cambridge (UK)**

Patient outcomes at twelve months after early decompressive craniectomy for diffuse traumatic brain injury in the randomised DECRA Clinical Trial  
**Jamie Cooper, Alfred Hospital (AU)**

Repair and Regeneration of the Injured Spinal Cord: From Molecule to Man  
**Michael Fehlings, University of Toronto (CA)**

**Plenary : Rethinking glial roles in CNS injury**

Reactive astrocytes, acute injury, and neuron function  
**Shane Liddelow, New York University (US)**

Harnessing the neuroprotective potential of reactive astrocytes after CNS injuries  
**James Bourne, Monash University (AU)**

Chronic changes in remyelination after spinal cord injury  
**Dana McTigue, Ohio State University (US)**

**CNS regeneration after injury**

**Personalised medicine in neurotrauma**

**Exploring the nexus between TBI and dementia**

*Proudly Sponsored by Wicking Dementia Research and Education Centre*

Evidence for Neocortical Circuit Disruption following Mild Traumatic Brain Injury  
**John Povlishock, Virginia Commonwealth University (US)**

Traumatic Microvascular Injury: Developing Biomarkers for Targeted Therapies  
**Ramon Diaz-Arrastia, University of Pennsylvania (US)**

New Insights into the Evolving Neuropathologies of Traumatic Brain Injury  
**Victoria Johnson, University of Pennsylvania (US)**

Repopulating microglia promote brain repair in an IL-6-dependent manner  
**Jana Vukovic, University of Queensland (AU)**

Differences between Men and Women in Treatment and Outcomes following Traumatic Brain Injury  
**Ana Mikolić, Department of Public Health (NL)**

Pathology versus physiology - can repetitive head impact drive chronic cognitive impairment without pathology?  
**Mark Burns, Georgetown University (US)**

Make do and make new: how zebrafish rapidly regenerates CNS injury  
**Jan Kaslin, Monash University (AU)**

Utility of a Novel Combined Blood-based Biomarker Panel of Major Subphenotypes of paediatric Traumatic Brain Injury as a Prognostic Tool for Long Term Outcomes  
**Jennifer Munoz Pareja, University of Florida (US)**

The evolving understanding of the TBI and dementia link: Neuroinflammation as a key piece of a complex puzzle  
**Lyndsey Collins-Praino, University of Adelaide (AU)**

Microglia limit lesion expansion and promote functional recovery after spinal cord injury in mice  
**Faith Brennan, Ohio State University (US)**

Predicting Outcome after Traumatic Brain Injury using IMPACT - a single-center study  
**Elham Rostami, Uppsala University Hospital (SE)**

Aging with traumatic brain injury: Effects of age at injury on neuropathology following diffuse brain injury in rats  
**Jenna Ziebell, University of Tasmania (AU)**

Transection injury of axons of iPSC-derived human neurons demonstrates capacity for regeneration  
**James Vickers, University of Tasmania (AU)**

Using advanced brain monitoring as clinical and research tools in paediatric TBI  
**Anthony Figaji, University of Cape Town (ZA)**

Statistical equivalence of resting-state functional correlation patterns in the default mode networks of patients with Alzheimer's disease vs geriatric victims of mild traumatic brain injury  
**Andrei Irimia, University of Southern California (US)**

**Neuroinflammation**

**Concussion management and guidelines**

**Data Blitz A**

Clinical Studies of Neuroinflammation in Traumatic Brain Injury  
**Adel Helmy, University of Cambridge (UK)**

Postural Orthostatic Tachycardia after Mild Traumatic Brain Injury  
**Rachel Pearson, University of California, Los Angeles (US)**

Early Tranexamic Acid (TXA) Administration After Traumatic Brain Injury (TBI) May Reduce Levels of Angiopoietin-2 in Patients with Intracranial Hemorrhage (ICH)  
**Taylor Anderson**

Astrocyte signatures of neurotrauma endophenotypes  
**Ina-Beate Wanner, University of California, Los Angeles (US)**

Management of persistent symptoms after childhood concussion: using biology to inform practice  
**Karen Barlow, University of Queensland (AU)**

Diagnosis and Management of Concussion in General Practice  
**Gill Cowen**

Implementing a Novel Lesion Symptom Mapping Workflow for Analysing Structural Images from the ENIGMA Brain Injury Working Group  
**Evelyn Deutscher**

Influence Of Interleukin-4 On Secondary Brain Damage After Experimental Traumatic Brain Injury  
**Johannes Walter, University Hospital Heidelberg (DE)**

Cognitive Behavioral Intervention for Persistent Post-Concussion Symptoms in Youth: Targeting autonomic dysregulation  
**Aliyah Snyder, University of California, Los Angeles (US)**  
**Unavailable**

Free Water Imaging in Chronic TBI: A Novel Biomarker of Microvascular Disruption  
**Ramon Diaz-Arrastia**

Murine repetitive mild traumatic brain injury produces sex and time dependent T cell and macrophage infiltration along with reductions in astrocyte and microglia reactivity  
**Eric Eyolfson**

Understanding the mechanism of action of intravenous immunoglobulin in acute spinal cord injury  
**Ellen Gillespie, University of Queensland (AU)**

Development of sports concussion management guidelines  
**Gavin Davis, Austin Health (AU)**  
**Unavailable**

The Primed Suspect; The Link Between TBI And Dementia  
**Olivia Holloway**

Statistically equivalent distribution of cortical thinning and white matter degradation in geriatric patients with mild traumatic brain injury relative to Alzheimer's disease  
**Andrei Irimia**

Proteomic Analysis of Serum and Cerebrospinal Fluid Reveals a Key Role for Inflammatory Proteins as Biomarkers for Outcome and Blood-Brain Barrier Disruption following Severe Traumatic Brain Injury  
**Caroline Lindblad, Karolinska Institute (SE)**

Mild traumatic brain injury leads altered NeuN expression with no concomitant neuronal loss in the mouse neocortex  
**Yasuaki Ogino**

**Protein Biomarkers in TBI; Technical Workshop - Denes Agoston, Stefania Mondello, Ramon Diaz-Arrastia, Adel Helmy, Stuart McDonald and Kevin Wang, USA**

TUESDAY 9 FEBRUARY 2021

Keynote Address - Update on neurotrauma clinical trials - Live Session			
7:00am - 7:30am AEDT	<i>Chairperson: Robert Vink</i>		
	The emerging science and art of precision medicine in TBI care – lessons from InTBIR <b>David Menon, University of Cambridge (UK)</b>		
	Patient outcomes at twelve months after early decompressive craniectomy for diffuse traumatic brain injury in the randomised DECRA Clinical Trial <b>Jamie Cooper, Alfred Hospital (AU)</b>		
	<i>Michael Fehlings Live Q&amp;A Session will be held on 10 February 2021</i>		
Plenary : Rethinking glial roles in CNS injury - Live Session			
7:30am - 8:00am AEDT	<i>Chairperson: James Vickers</i>		
	Reactive astrocytes, acute injury, and neuron function <b>Shane Liddelow, New York University (US)</b>		
	Harnessing the neuroprotective potential of reactive astrocytes after CNS injuries <b>James Bourne, Monash University (AU)</b>		
	<i>Dana McTigue Live Q&amp;A Session will be held on 11 February 2021</i>		
CNS regeneration after injury - Live Session	Personalised medicine in neurotrauma - Live Session	Exploring the nexus between TBI and dementia - Live Session <i>Proudly Sponsored by Wicking Dementia Research and Education Centre</i>	
8:00am - 8:30am AEDT	<i>Chairperson: Anna Leonard</i>	<i>Chairperson: Frances Corrigan</i>	<i>Chairperson: James Vickers</i>
	Evidence for Neocortical Circuit Disruption following Mild Traumatic Brain Injury <b>John Povlishock, Virginia Commonwealth University (US)</b>	Traumatic Microvascular Injury: Developing Biomarkers for Targeted Therapies <b>Ramon Diaz-Arrastia, University of Pennsylvania (US)</b>	New Insights into the Evolving Neuropathologies of Traumatic Brain Injury <b>Victoria Johnson, University of Pennsylvania (US)</b>
	Repopulating microglia promote brain repair in an IL-6-dependent manner <b>Jana Vukovic, University of Queensland (AU)</b>	Differences between Men and Women in Treatment and Outcomes following Traumatic Brain Injury <b>Ana Mikolić, Department of Public Health (NL)</b>	Pathology versus physiology - can repetitive head impact drive chronic cognitive impairment without pathology? <b>Mark Burns, Georgetown University (US)</b>
	Make do and make new: how zebrafish rapidly regenerates CNS injury <b>Jan Kaslin, Monash University (AU)</b>	Utility of a Novel Combined Blood-based Biomarker Panel of Major Subphenotypes of paediatric Traumatic Brain Injury as a Prognostic Tool for Long Term Outcomes <b>Jennifer Munoz Pareja, University of Florida (US)</b>	The evolving understanding of the TBI and dementia link: Neuroinflammation as a key piece of a complex puzzle <b>Lyndsey Collins-Praino, University of Adelaide (AU)</b>
	Microglia limit lesion expansion and promote functional recovery after spinal cord injury in mice <b>Faith Brennan, Ohio State University (US)</b>	Predicting Outcome after Traumatic Brain Injury using IMPACT - a single-center study <b>Elham Rostami, Uppsala University Hospital (SE)</b>	Aging with traumatic brain injury: Effects of age at injury on neuropathology following diffuse brain injury in rats <b>Jenna Ziebell, University of Tasmania (AU)</b>
	Transection injury of axons of iPSC-derived human neurons demonstrates capacity for regeneration <b>James Vickers, University of Tasmania (AU)</b>	Using advanced brain monitoring as clinical and research tools in paediatric TBI <b>Anthony Figaji, University of Cape Town (ZA)</b>	Statistical equivalence of resting-state functional correlation patterns in the default mode networks of patients with Alzheimer's disease vs geriatric victims of mild traumatic brain injury <b>Andrei Irimia, University of Southern California (US)</b>
Neuroinflammation - Live Session	Concussion management and guidelines - Live Session		
8:30am - 9:00am AEDT	<i>Chairperson: Cristina Morganti-Kossmann</i>	<i>Chairperson: Robert Vink</i>	
	Clinical Studies of Neuroinflammation in Traumatic Brain Injury <b>Adel Helmy, University of Cambridge (UK)</b>	Postural Orthostatic Tachycardia after Mild Traumatic Brain Injury <b>Rachel Pearson, University of California, Los Angeles (US)</b>	
	Astrocyte signatures of neurotrauma endophenotypes <b>Ina-Beate Wanner, University of California, Los Angeles (US)</b>	Management of persistent symptoms after childhood concussion: using biology to inform practice <b>Karen Barlow, University of Queensland (AU)</b>	
	Influence Of Interleukin-4 On Secondary Brain Damage After Experimental Traumatic Brain Injury <b>Johannes Walter, University Hospital Heidelberg (DE)</b>	Cognitive Behavioral Intervention for Persistent Post-Concussion Symptoms in Youth: Targeting autonomic dysregulation <b>Aliyah Snyder, University of California, Los Angeles (US)</b> <b>Unavailable</b>	
	Understanding the mechanism of action of intravenous immunoglobulin in acute spinal cord injury <b>Ellen Gillespie, University of Queensland (AU)</b>	Development of sports concussion management guidelines <b>Gavin Davis, Austin Health (AU)</b> <b>Unavailable</b>	
	Proteomic Analysis of Serum and Cerebrospinal Fluid Reveals a Key Role for Inflammatory Proteins as Biomarkers for Outcome and Blood-Brain Barrier Disruption following Severe Traumatic Brain Injury <b>Caroline Lindblad, Karolinska Institute (SE)</b>		

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TUESDAY 9 FEBRUARY 2021

**Plenary Address - Advances in neuroimmunology**

Beyond Post-Concussion Syndrome: Treating Persistent Post-Concussion Symptoms  
**Chris Giza, University of California, Los Angeles (US)**

The microglial scar: Microglia are a key component of the protective scar that forms after SCI  
**Steven Lacroix, Laval University (CA)**

Bi-directional brain-immune system crosstalk in neurotrauma: methodological challenges and therapeutic implications  
**Alan Faden, University of Maryland (US)**

Effects of neurotrauma outside of the CNS	Latest updates on clinical trials and international neurotrauma consortia	Data Blitz B
Neurogenic systemic immune dysfunction after neurotrauma – clinical relevance and experimental evidence <b>Jan Schwab, Ohio State University (US)</b>	Presentation, management and outcome of Epidural Hematomas: a CENTER-TBI study <b>Dana Pisica, Erasmus Medical Center (NL)</b>	Investigating the relevance of tau and metal ions in the development of neurodegeneration following repetitive mild traumatic brain injury <b>Sydney Juan</b>  NeuroAiD in Spinal Cord Injury <b>Ramesh Kumar</b>  NeuroAiD in Traumatic Brain Injury <b>Ramesh Kumar</b>  Prediction of global outcome and post-concussive symptoms following mild traumatic brain injury: external validation of prognostic models in the CENTER- TBI data <b>Ana Mikolić</b>  Focal and diffuse brain trauma elicit individual neuroinflammatory responses and biomarker production <b>Cristina Morganti-Kossmann</b>  Ultra-early versus early magnetic resonance imaging for mild traumatic brain injury: a CENTER-TBI study <b>Virginia Newcombe</b>
The intersection between matrix metalloproteinases and bladder compliance after spinal cord injury: Tackling the “low hanging fruit” <b>Linda Noble-Haeusslein, University of Texas at Austin (US)</b>	Acute care variables and blood transcriptomics to predict the severity and outcomes in SCI: TRACK-SCI <b>Michael Beattie, University of California, San Francisco (US)</b>	
The effect of stroke outside the brain <b>Connie Wong, Monash University (AU)</b>	Preclinical multicenter studies for discovery of biomarkers and treatments to prevent epileptogenesis after TBI – challenges and opportunities <b>Asla Pitkanen, University of Eastern Finland (FI)</b>	
Gut microbial dysbiosis after traumatic brain injury induces alterations in the immune response and fear memory <b>Marta Celorrio-Navarro, Washington University (US)</b>	TRACK-TBI: A Prospective Longitudinal Multicenter Precision Medicine Study of TBI <b>Geoff Manley, University of California, San Francisco (US)</b>	
Imaging biomarkers for autonomic dysfunction in Traumatic Brain Injury <b>Jay Gajera, Jay Gajera Pty Ltd (AU)</b> <b>Unavailable</b>	Long-term outcomes in traumatic brain injury: implications for clinical trial design <b>David Okonkwo, University of Pittsburgh (US)</b>	
Neuromodulation in neurotrauma	Novel biomarkers of injury	
Brain stimulation for neurotrauma: insights from preclinical models <b>Jennifer Rodger, University of Western Australia (AU)</b>	Circulating Extracellular Vesicles in Traumatic Brain Injury: Temporal Profile, Outcome Prediction and Therapy Implications <b>Stefania Mondello, University of Messina (IT)</b>	
Reversing Twenty-one Years Of Chronic Paralysis Via Non-invasive Spinal Cord Neuromodulation: A Case Report <b>Monzurul Alam, The Hong Kong Polytechnic University (HK)</b>	Circulating microRNAs as potential biomarkers for assessing vasospasm risk following aneurysmal subarachnoid hemorrhage <b>Wang-Xia Wang, University of Kentucky (US)</b>	
Chemogenetic interventions on parvalbumin interneuron modify neuronal and enhance neuroprotection post TBI <b>Florian Olde Heuvel, University of Ulm (HR)</b>	Salivary non-coding RNA: the next generation of biomarkers in concussion <b>Valentina Di Pietro, University of Birmingham (UK)</b>	
	Temporal and Trajectory Profiles of Six TBI Serum Biomarkers: A Large Cohort CENTER-TBI study <b>Kevin Wang, University of Florida (US)</b>	
	Tau as a Potential Biomarker for Long Term Outcome in Paediatric Traumatic Brain Injury <b>Jennifer Munoz Pareja, University of Florida (US)</b>	

WEDNESDAY 10 FEBRUARY 2021

Plenary Address - Advances in neuroimmunology - Live Session		
7:00am - 7:30am AEDT	<i>Chairperson: Marc Ruitenberg</i>	
	Beyond Post-Concussion Syndrome: Treating Persistent Post-Concussion Symptoms <b>Chris Giza, University of California, Los Angeles (US)</b>	
	The microglial scar: Microglia are a key component of the protective scar that forms after SCI <b>Steve Lacroix, Laval University (CA)</b>	
	Bi-directional brain-immune system crosstalk in neurotrauma: methodological challenges and therapeutic implications <b>Alan Faden, University of Maryland (US)</b>	
	Repair and Regeneration of the Injured Spinal Cord: From Molecule to Man <b>Michael Fehlings, University of Toronto (CA)</b>	
Effects of neurotrauma outside of the CNS - Live Session	Latest updates on clinical trials and international neurotrauma consortia - Live Session	
<i>Chairperson: Bridgette Semple</i>		<i>Chairperson: Robert Vink</i>
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Imaging biomarkers for autonomic dysfunction in Traumatic Brain Injury <b>Jay Gajera, Jay Gajera Pty Ltd (AU)</b> Unavailable	Long-term outcomes in traumatic brain injury: implications for clinical trial design <b>David Okonkwo, University of Pittsburgh (US)</b>	
Neuromodulation in neurotrauma - Live Session	Novel biomarkers of injury - Live Session	
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Brain stimulation for neurotrauma: insights from preclinical models <b>Jennifer Rodger, University of Western Australia (AU)</b>	Circulating Extracellular Vesicles in Traumatic Brain Injury: Temporal Profile, Outcome Prediction and Therapy Implications <b>Stefania Mondello, University of Messina (IT)</b>	
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	Temporal and Trajectory Profiles of Six TBI Serum Biomarkers: A Large Cohort CENTER-TBI study <b>Kevin Wang, University of Florida (US)</b>	
	Tau as a Potential Biomarker for Long Term Outcome in Paediatric Traumatic Brain Injury <b>Jennifer Munoz Pareja, University of Florida (US)</b>	
8:30am - 9:30am AEDT	<i>Chairperson: Denes Agoston</i>	
Protein Biomarkers in TBI; Technical Workshop - Denes Agoston, Stefania Mondello, Ramon Diaz-Arrastia, Adel Helmy, Stuart McDonald and Kevin Wang, USA - Live Session		

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WEDNESDAY 10 FEBRUARY 2021

**Plenary Address - Evidence-based neurorehabilitation**

Improving outcome after TBI with evidence-based rehabilitation  
**Jennie Ponsford, Monash University (AU)**

Predictors of resilience and early vulnerability after early brain injury  
**Vicki Anderson, University of Melbourne (AU)**

Enhancing activity-dependent plasticity through neuromodulation following spinal cord injury  
**Claudia Angeli, University of Louisville (US)**

**Advances in neuroimaging**

**Cell therapies for neurotrauma**

**Chronic outcomes after neurotrauma (clinical)**

What can neuroimaging tell us about TBI? Insights gained from CENTER-TBI <b>Virginia Newcombe, University of Cambridge (UK)</b>	Transplantation of human neural stem cells for repair after spinal cord injury in the primate <b>Jackie Bresnahan, University of California, San Francisco (US)</b>	Effect of sex and age on quality of life up to ten years after traumatic brain injury <b>Katrin Rauen, University of Zurich (CH)</b>
Current Protocol and Advances in Neuroimaging for Concussion <b>Meng Law, Monash University (AU)</b>	Combining Neural Progenitor Cell Transplantation with an Activity-based Therapy after Cervical Spinal Cord Injury <b>Michael Lane, Drexel University (US)</b>	Exploring The Invisible Wound: Neuropathology Studies Of Military TBI <b>Daniel Perl, Uniformed Services University (US)</b>
White Matter Disruption after paediatric Moderate/Severe TBI: Results from the ENIGMA paediatric msTBI Working Group <b>Emily Dennis, University of Southern California (US)</b>	Amnion cell therapy for acute stroke <b>Chris Sobey, La Trobe University (AU)</b>	Post-traumatic epilepsy following traumatic brain injury: Can it be prevented? <b>Terence O'Brien, Monash University (AU)</b>
Perturbations Of The Human Chronnectome Are Related To Poor Recovery After Mild To Moderate Traumatic Brain Injury <b>Harm Jan Van Der Horn, University of Groningen (NL)</b>	Long-term effects of neural precursor cell (NPC) transplantation on secondary injury processes and functional recovery after cervical compression-contusion spinal cord injury (SCI) <b>Alexander Younsi, University of Heidelberg (DE)</b>	Long-term Cognitive Functioning Decades after Traumatic Brain Injury <b>Amelia Hicks, Monash University (AU)</b>
TBC <b>Elisabeth Wilde, University of Utah (US)</b> <b>Unavailable</b>		

**Fluid biomarkers of mild traumatic brain injury: New insights using Simoa® technology - Proudly Sponsored by Quanterix**

**Chronic outcomes after neurotrauma (experimental)**

**Update on acute critical care**

**Data Blitz C**

Proteomic analysis of response to treatment in mouse models of repetitive mild TBI <b>Fiona Crawford, The Roskamp Institute (US)</b>	The role of decompressive craniectomy in the management of severe TBI <b>Jeffrey Rosenfeld, Alfred Hospital (AU)</b>	Remote ischemic conditioning acutely attenuates peripheral inflammation and microglial activation after diffuse brain injury with long-term impact on behaviour and inflammation in both sexes of mice <b>Maha Saber</b>
Preclinical models of tau propagation in TBI <b>Elisa Zanier, Mario Negri Institute (IT)</b>	Update on clinical trials in traumatic brain injury <b>Peter Hutchinson, Cambridge University (UK)</b>	Bad Behaviour: The Effects of Repetitive Mild Traumatic Brain Injury on Personality in Adolescent Rats <b>Sabrina Salberg</b>
Long term consequences of pediatric TBI <b>Ramesh Raghupathi, Drexel University (US)</b>	Fluid Management in Traumatic Brain Injury Patients: A CENTER-TBI Study <b>Mathieu van der Jagt</b>	Large animal models: improving clinical translation in traumatic brain injury <b>Jessica Sharkey</b>
Long-term effects of a mild TBI in adolescence on executive function in pre-clinical models <b>Frances Corrigan, University of South Australia (AU)</b>	Delayed Neurosurgical Intervention In Traumatic Brain Injury Patients Referred From Primary Hospitals Is Not Associated With An Unfavorable Outcome <b>Eric Thelin, Cambridge University (UK)</b>	Infections After a Paediatric Traumatic Brain Injury: How do they Worsen Outcomes? <b>Rishabh Sharma</b>
The synaptic signature of chronic traumatic encephalopathy (CTE) is recapitulated after repetitive head impacts and drives cognitive impairment <b>Bevan Main, Georgetown University (US)</b>		Traumatic brain injury-induced late-onset sensory hypersensitivity and sex-dependent changes in glutamate neurotransmission <b>Theresa Thomas</b>
		The Role Of Age In Treatment Differences For Traumatic Brain Injury <b>Ernest Van Veen</b>

**Neuroprotection Strategies**

**Vascular changes in neurotrauma**

**Neuropsychological outcomes after paediatric TBI**

Targeting intra-axonal RyR and IP3R mediated Ca2+ reduces secondary axonal degeneration following a contusive-SCI in vivo <b>David Stirling, University of Louisville Kentucky (US)</b>	Long-term-term neurovascular alterations after juvenile mild traumatic brain injury <b>Jerome Badaut, University of Bordeaux (FR)</b>	Divergent outcomes following moderate/severe TBI in children: Who recovers and why? <b>Talin Babikian, University of California, Los Angeles (US)</b>
Acute Treatment With TrkB Agonist LM22A-4 Confers Neuroprotection And Improves Myelin Integrity In A Mouse Model Of Paediatric Traumatic Brain Injury <b>Jessica Fletcher, University of Melbourne (AU)</b>	The effect of tranexamic acid on the blood-brain barrier and the immune response following traumatic brain injury is gender-dependent <b>Maria Daglas, Monash University (AU)</b>	Subtle motor function – what does this tell us about paediatric brain injury and recovery? <b>Stacy Suskauer, Kennedy Krieger Institute (US)</b>
The role of RIP1 and RIP3 in secondary brain damage after experimental traumatic brain injury <b>Antonia When, Institute for Stroke and Dementia Research (HR)</b>	Spatial and temporal pattern of ischaemia and abnormal vascular function following traumatic brain injury <b>Jonathan Coles, University of Cambridge (UK)</b>	Four-years later: Paediatric psychosocial functioning following mild TBI <b>Kelly Jones, Auckland University of Technology (NZ)</b>
Neutralization of Interleukin 1 beta maintains pericyte coverage in the cortex and thalamus following diffuse traumatic brain Injury <b>Ilknur Ozen, Lund University (SE)</b>		Concussions on Steroids: A Behavioural, Molecular, and Imaging Analysis of Anabolic Steroids in the Developing Brain <b>Jason Tabor, University of Calgary (CA)</b>
A new heat shock protein inductor as a drug for rehabilitation therapy after traumatic brain injury <b>Vladimir Lazarev, Institute of Cytology Russian Academy of Sciences (RU)</b>		A disconnection between neuropsychological outcomes and structural brain alterations in pediatric TBI <b>Karen Caeyenberghs, Deakin University</b>

THURSDAY 11 FEBRUARY 2021

Plenary Address - Evidence-based neurorehabilitation - Live Session			
7:00am - 7:30am AEDT	<i>Chairperson: Marc Ruitenberg</i>		
	Improving outcome after TBI with evidence-based rehabilitation <b>Jennie Ponsford, Monash University (AU)</b>		
	Predictors of resilience and early vulnerability after early brain injury <b>Vicki Anderson, University of Melbourne (AU)</b> <b>Unavailable</b>		
Enhancing activity-dependent plasticity through neuromodulation following spinal cord injury <b>Claudia Angell, University of Louisville (US)</b>			
Advances in neuroimaging - Live Session	Cell therapies for neurotrauma - Live Session	Chronic outcomes after neurotrauma (clinical) - Live Session	
<i>Chairperson: Sarah Hellewell</i>			
7:30am - 8:00am AEDT	What can neuroimaging tell us about TBI? Insights gained from CENTER-TBI <b>Virginia Newcombe, University of Cambridge (UK)</b>	Transplantation of human neural stem cells for repair after spinal cord injury in the primate <b>Jackie Bresnahan, University of California, San Francisco (US)</b>	Effect of sex and age on quality of life up to ten years after traumatic brain injury <b>Katrin Rauen, University of Zurich (CH)</b>
	Current Protocol and Advances in Neuroimaging for Concussion <b>Meng Law, Monash University (AU)</b>	Combining Neural Progenitor Cell Transplantation with an Activity-based Therapy after Cervical Spinal Cord Injury <b>Michael Lane, Drexel University (US)</b>	Exploring The Invisible Wound: Neuropathology Studies Of Military TBI <b>Daniel Perl, Uniformed Services University (US)</b>
	White Matter Disruption after paediatric Moderate/Severe TBI: Results from the ENIGMA paediatric mTBI Working Group <b>Emily Dennis, University of Southern California (US)</b>	Amnion cell therapy for acute stroke <b>Chris Sobey, La Trobe University (AU)</b>	Post-traumatic epilepsy following traumatic brain injury: Can it be prevented? <b>Terence O'Brien, Monash University (AU)</b>
	Perturbations Of The Human Chronnectome Are Related To Poor Recovery After Mild To Moderate Traumatic Brain Injury <b>Harm Jan Van Der Horn, University of Groningen (NL)</b>	Long-term effects of neural precursor cell (NPC) transplantation on secondary injury processes and functional recovery after cervical compression-contusion spinal cord injury (SCI) <b>Alexander Younsi, University of Heidelberg (DE)</b>	Long-term Cognitive Functioning Decades after Traumatic Brain Injury <b>Amelia Hicks, Monash University (AU)</b>
	TBC <b>Elisabeth Wilde, University of Utah (US)</b> <b>Unavailable</b>	Chronic changes in remyelination after spinal cord injury <b>Dana McTigue, Ohio State University (US)</b>	
Chronic outcomes after neurotrauma (experimental) - Live Session	Update on acute critical care - Live Session		
<i>Chairperson: Jenna Ziebell</i>			
8:00am - 8:30am AEDT	Proteomic analysis of response to treatment in mouse models of repetitive mild TBI <b>Fiona Crawford, The Roskamp Institute (US)</b>	The role of decompressive craniectomy in the management of severe TBI <b>Jeffrey Rosenfeld, Alfred Hospital (AU)</b>	
	Preclinical models of tau propagation in TBI <b>Elisa Zanier, Mario Negri Institute (IT)</b>	Update on clinical trials in traumatic brain injury <b>Peter Hutchinson, Cambridge University (UK)</b>	
	Long term consequences of pediatric TBI <b>Ramesh Raghupathi, Drexel University (US)</b>	Fluid Management In Traumatic Brain Injury Patients: A CENTER-TBI Study <b>Mathieu van der Jagt</b>	
	Long-term effects of a mild TBI in adolescence on executive function in pre-clinical models <b>Frances Corrigan, University of South Australia (AU)</b>	Delayed Neurosurgical Intervention In Traumatic Brain Injury Patients Referred From Primary Hospitals Is Not Associated With An Unfavorable Outcome <b>Eric Thelin, Cambridge University (UK)</b>	
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Neuroprotection Strategies - Live Session	Vascular changes in neurotrauma - Live Session	Neuropsychological outcomes after paediatric TBI - Live Session	
<i>Chairperson: Nicole Bye</i>			
8:30am - 9:00am AEDT	Targeting intra-axonal RyR and IP3R mediated Ca2+ reduces secondary axonal degeneration following a contusive-SCI in vivo <b>David Stirling, University of Louisville Kentucky (US)</b>	Long-term-term neurovascular alterations after juvenile mild traumatic brain injury <b>Jerome Badaut, University of Bordeaux (FR)</b>	Divergent outcomes following moderate/severe TBI in children: Who recovers and why? <b>Talin Babikian, University of California, Los Angeles (US)</b>
	Acute Treatment With TrkB Agonist LM22A-4 Confers Neuroprotection And Improves Myelin Integrity In A Mouse Model Of Paediatric Traumatic Brain Injury <b>Jessica Fletcher, University of Melbourne (AU)</b>	The effect of tranexamic acid on the blood-brain barrier and the immune response following traumatic brain injury is gender-dependent <b>Maria Dagias, Monash University (AU)</b>	Subtle motor function – what does this tell us about paediatric brain injury and recovery? <b>Stacy Suskauer, Kennedy Krieger Institute (US)</b>
	The role of RIP1 and RIP3 in secondary brain damage after experimental traumatic brain injury <b>Antonia When, Institute for Stroke and Dementia Research (HR)</b>	Spatial and temporal pattern of ischaemia and abnormal vascular function following traumatic brain injury <b>Jonathan Coles, University of Cambridge (UK)</b>	Four-years later: Paediatric psychosocial functioning following mild TBI <b>Kelly Jones, Auckland University of Technology (NZ)</b>
	Neutralization of Interleukin 1 beta maintains pericyte coverage in the cortex and thalamus following diffuse traumatic brain injury <b>Ilknur Ozen, Lund University (SE)</b>		Concussions on Steroids: A Behavioural, Molecular, and Imaging Analysis of Anabolic Steroids in the Developing Brain <b>Jason Tabor, University of Calgary (CA)</b>
	A new heat shock protein inductor as a drug for rehabilitation therapy after traumatic brain injury <b>Vladimir Lazarev, Institute of Cytology Russian Academy of Sciences (RU)</b>		A disconnection between neuropsychological outcomes and structural brain alterations in pediatric TBI <b>Karen Caeyenberghs, Deakin University</b>
9:00am - 9:30am AEDT	<i>Chairperson: Sandy Shultz</i>		
Fluid biomarkers of mild traumatic brain injury: New insights using Simoa® technology - Sponsored by Quanterix - Live Session			
9:30am - 9:40am AEDT	Introducing the next INTS President		