



International Neurotrauma Symposium 2020
29 March - 2 April 2020
Melbourne Convention and Exhibition Centre



SUNDAY 29 MARCH 2020

Meeting Room 112

3:00pm - 4:30pm

INTS Board Meeting
by invitation only

Level 1 Foyer 2

5:30pm - 6:30pm

Welcome Reception - Networking and Drinks
open to all delegates

MONDAY 30 MARCH 2020

Meeting Room 109 & 110

Keynote Address - Update on neurotrauma clinical trials

Chairpersons: Robert Vink and Lindy Fitzgerald

Welcome Address
Robert Vink

8:20am - 8:30am

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

8:30am - 9:10am

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)

9:10am - 9:50am

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

9:50am - 10:30am

Morning Tea

10:30am - 11:00am

Meeting Room 109 & 110

Plenary : Rethinking glial roles in CNS injury

Chairpersons: Bridgette Semple and Leon Teo

11:00am - 11:40pm

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

11:40pm - 12:20pm

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

12:20pm - 1:00pm

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

1:00pm - 2:00pm

Lunch

Lunchtime session sponsored by Shine Lawyers – Removing the fear from medico-legal work

Meeting Room 108

Meeting Room 109

Meeting Room 110

CNS regeneration after injury

Personalised medicine in neurotrauma

Exploring the nexus between TBI and dementia

Sponsored by Wicking Dementia Research and Education Centre

Chairperson: Renee Turner

Chairperson: Jussi Posti and Ava Puccio

Chairpersons: TBC

2:00pm - 2:20pm

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)

2:20pm - 2:40pm

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

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

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

2:40pm - 3:00pm

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)

3:00pm - 3:15pm

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)

3:15pm - 3:30pm

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

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

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)

3:30pm - 4:00pm

Afternoon Tea

Meeting Room 108

Meeting Room 109

Meeting Room 110

Neuroinflammation

Concussion management and guidelines

Data Blitz A

Chairperson: Eric Thelin and Cristina Morganti-Kossmann

Chairpersons: Catherine Willmott and Sandy Shultz

Chairpersons: Theresa Thomas and Chidozie Anyaegbu

4:00pm - 4:05pm

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

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

Mild traumatic brain injury causes complex, dynamic and potentially persistent neurobiological changes that are reflected in changes in a panel of novel, blood-based protein biomarkers
Denes Agoston

4:05pm - 4:10pm

Mediating structural dynamics in traumatised astrocytes – for better or worse
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)

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

4:10pm - 4:15pm

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

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

Diagnosis and Management of Concussion in General Practice
Gill Cowen

4:15pm - 4:20pm

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)

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

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

4:20pm - 4:25pm

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

The Concussed Female Athlete: Miserable minority or a missed opportunity?
Gary Browne, University of Sydney (AU)

Randomised Evaluation Of Surgery In Elderly With Traumatic Acute Subdural Hematoma
Ranjit Dhillon Singh

4:25pm - 4:30pm

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

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

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

4:30pm - 4:35pm

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

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

Automatic Tool To Identify Epileptiform Activity In EEG Of Traumatic Brain Injury Patients
Dominique Duncan

4:35pm - 4:40pm

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

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

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

4:40pm - 4:45pm

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

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

Single Mild Traumatic Brain Injury Promotes Chronic Inflammation and Neurodegeneration in Swine
Michael Grovola

4:45pm - 4:50pm

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

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

Identifying microRNA biomarkers for repeated blast-induced traumatic brain injury
Lanier Heyburn

4:50pm - 4:55pm

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

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

The Primed Suspect: The Link Between TBI And Dementia
Olivia Holloway

4:55pm - 5:00pm

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

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

Longitudinal Characterization of Vasogenic Brain Edema Formation by in vivo 2-Photon Microscopy after Experimental Traumatic Brain Injury
Yue Hu

5:00pm - 5:05pm

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

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

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

5:05pm - 5:10pm

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

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

Intubation practices in trauma triage of a level 1 tertiary care centre in low resource country: a prospective observational study
Kajal Jain

5:10pm - 5:15pm

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

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

Predicting social participation after traumatic brain injury: a longitudinal cohort study
Laura Jolliffe

5:15pm - 5:20pm

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

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

TBC

5:20pm - 5:25pm

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

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

TBC

5:25pm - 5:30pm

Poster Session & Drinks

5:30pm - 6:30pm

Meeting Room 109 & 110

Public Lecture

Chronic consequences of sports-related concussion
Sponsored by NeuroSurgical Research Foundation (NSRF)

Chairpersons: James Graham and Richelle Mychasiuk

7:00pm - 9:00pm

TBC
Chris Giza, University of California, Los Angeles (US)

The lies, damn lies and opinions tangling CTE
Willie Stewart, University of Glasgow (UK)

An overview and update of the 'Retired Professional Rugby League Players Brain Health Research Program' at The University of Newcastle

Andrew Gardner, University of Newcastle (AU)

TUESDAY 31 MARCH 2020

Meeting Room 109 & 110

Plenary Address - Advances in neuroimmunology

Chairperson: Marc Ruitenberg and Peter Crack

8:30am - 9:10am	Repairing the injured spinal cord: targeting scar matrix to modulate inflammation and enable neuroplasticity Elizabeth Bradbury, King's College London (UK)		
9:10am - 9:50am	The microglial scar: Microglia are a key component of the protective scar that forms after SCI Steven Lacroix, Laval University (CA)		
9:50am - 10:30am	Bi-directional brain-immune system crosstalk in neurotrauma: methodological challenges and therapeutic implications Alan Faden, University of Maryland (US)		
10:30am - 11:15am	Morning Tea		
	Meeting Room 108	Meeting Room 109	Meeting Room 110
	Effects of neurotrauma outside of the CNS	Latest updates on clinical trials and international neurotrauma consortia	Data Blitz B
	Chairperson: Jackie Brenahan	Chairperson: David Menon	Chairperson: Cole Van der Haar
11:15am - 11:20am	Neurogenic systemic immune dysfunction after neurotrauma – clinical relevance and experimental evidence Jan Schwab, Ohio State University (US)	TRACK-TBI: A Prospective Longitudinal Multicenter Precision Medicine Study of TBI Geoff Manley, University of California, San Francisco (US)	Investigating the relevance of tau and metal ions in the development of neurodegeneration following repetitive mild traumatic brain injury Sydney Juan
11:20am - 11:25am			Explosive Blast Overpressure or Acoustic Insult? Cognitive Performance Deficit Replicated in High Sound Pressure and Low Blast Overpressure Walter Carr
11:25am - 11:30am			Ultrabright Lipid Droplets As Carrier For Targeted Drug Delivery In Brain Trauma Igor Khalin
11:30am - 11:35am			Study of cerebral metabolism by focal perfusion of 2,3-13C2 succinate in traumatic brain injury patients with a high lactate/pyruvate ratio Nuria Marco-Garcia
11:35am - 11:40am	The intersection between matrix metalloproteinases and bladder compliance after spinal cord injury: Tackling the "low hanging fruit" Linda Noble-Haeusslein, University of Texas at Austin (US)	Acute care variables and blood transcriptomics to predict the severity and outcomes in SCI: TRACK-SCI Michael Beattie, University of California, San Francisco (US)	Metabolic supplementation in a glial cell culture model of TBI Monica J Killen
11:40am - 11:45am			The Complement System Contributes To Post-traumatic Synapse Loss Akshata Korgaonkar
11:45am - 11:50am			NeuroAID in Spinal Cord Injury Ramesh Kumar
11:50am - 11:55am			NeuroAID in Traumatic Brain Injury Ramesh Kumar
11:55am - 12:00pm	The effect of stroke outside the brain Connie Wong, Monash University (AU)	Preclinical multicenter studies for discovery of biomarkers and treatments to prevent epileptogenesis after TBI – challenges and opportunities Asla Pitkanen, University of Eastern Finland (FI)	Insight Into The "Most Complex Injury To The Most Complex Organ" Eryn Kwon
12:00pm - 12:05pm			Survival and functional outcome in children with traumatic brain injury requiring mechanical ventilation: an observational study Jeetinder Makkar
12:05pm - 12:10pm			Prediction of global outcome and post-concussive symptoms following mild traumatic brain injury: external validation of prognostic models in the CENTER- TBI data Ana Mikolić
12:10pm - 12:15pm			Assessing Sports-related Concussion In Jockeys Rowena Mobbs
12:15pm - 12:20pm	Gut microbial dysbiosis after traumatic brain injury induces alterations in the immune response and fear memory Marta Celorrio-Navarro, Washington University (US)	Long-term outcomes in traumatic brain injury: implications for clinical trial design David Okonkwo, University of Pittsburgh (US)	Focal and diffuse brain trauma elicit individual neuroinflammatory responses and biomarker production Cristina Morganti-Kossmann
12:20pm - 12:25pm			Early hypoxia defined using brain tissue oxygenation and its relation to late atrophy and neuronal loss after traumatic brain injury Virginia Newcombe
12:25pm - 12:30pm			Ultra-early versus early magnetic resonance imaging for mild traumatic brain injury: a CENTER-TBI study Virginia Newcombe
12:30pm - 12:35pm	Imaging biomarkers for autonomic dysfunction in Traumatic Brain Injury Jay Gajera, Jay Gajera Pty Ltd (AU)	Presentation, management and outcome of Epidural Hematomas: a CENTER-TBI study Dana Pisica, Erasmus Medical Center (NL)	The loss of NeuN expression after experimental traumatic brain injury does not reflect neuronal loss but rather altered protein production and neuronal atrophy in the mouse neocortex Yasuaki Ogino
12:35pm - 12:40pm			Admission level of interleukin 10 improves outcome prediction capacity of the Helsinki computed tomography score in traumatic brain injury Jussi Posti
12:40pm - 12:45pm			
Networking and Free Time			
ECR Networking Event			

WEDNESDAY 1 APRIL 2020

Meeting Room 109 & 110

Plenary Address - Evidence-based neurorehabilitation

Chairperson: John Olver

8:30am - 9:10am	Improving outcome after TBI with evidence-based rehabilitation Jennie Ponsford, Monash University (AU)
9:10am - 9:50am	Predictors of resilience and early vulnerability after early brain injury Vicki Anderson, University of Melbourne (AU)
9:50am - 10:30am	Enhancing activity-dependent plasticity through neuromodulation following spinal cord injury Claudia Angell, University of Louisville (US)

Morning Tea

Meeting Room 108	Meeting Room 109	Meeting Room 110
Advances in neuroimaging	Cell therapies for neurotrauma	Chronic outcomes after neurotrauma (clinical)
Chairpersons: Dominique Duncan and Andrei Irimia	Chairpersons: James Bourne and Cathie Gorrie	Chairpersons: Jennie Ponsford
11:15am - 11:35am What can neuroimaging tell us about TBI? Insights gained from CENTER-TBI Virginia Newcombe, University of Cambridge (UK)	11:15am - 11:35am Transplantation of human neural stem cells for repair after spinal cord injury in the primate Jackie Bresnahan, University of California, San Francisco (US)	11:15am - 11:35am Effect of sex and age on quality of life up to ten years after traumatic brain injury Katrin Rauen, University of Zurich (CH)
11:35am - 11:55am Current Protocol and Advances in Neuroimaging for Concussion Meng Law, Monash University (AU)	11:35am - 11:55am Combining Neural Progenitor Cell Transplantation with an Activity-based Therapy after Cervical Spinal Cord Injury Michael Lane, Drexel University (US)	11:35am - 11:55am Exploring The Invisible Wound: Neuropathology Studies Of Military TBI Daniel Perl, Uniformed Services University (US)
11:55am - 12:15pm TBC Elisabeth Wilde, University of Utah (US)	11:55am - 12:15pm Amnion cell therapy for acute stroke Chris Sobey, La Trobe University (AU)	11:55am - 12:15pm Post-traumatic epilepsy following traumatic brain injury: Can it be prevented? Terence O'Brien, Monash University (AU)
12:15pm - 12:30pm White Matter Disruption after paediatric Moderate/Severe TBI: Results from the ENIGMA paediatric msTBI Working Group Emily Dennis, University of Southern California (US)	12:15pm - 12:30pm Long-term effects of neural precursor cell (NPC) transplantation on secondary injury processes and functional recovery after cervical compression-contusion spinal cord injury (SCI) Alexander Younsi, University of Heidelberg (DE)	12:15pm - 12:30pm Community integration 10 years after moderate-to-severe traumatic brain injury Nada Andelic, Oslo University Hospital (NO)
12:30pm - 12:45pm Perturbations Of The Human Chronnectome Are Related To Poor Recovery After Mild To Moderate Traumatic Brain Injury Harm Jan Van Der Horn, University of Groningen (NL)	12:30pm - 12:45pm Analysis of human neural stem cell migration in naive mouse brain and towards traumatic brain injury using clarity Benoit Mouzon, Roskamp Institute (US)	12:30pm - 12:45pm Long-term Cognitive Functioning Decades after Traumatic Brain Injury Amelia Hicks, Monash University (AU)

Lunch

Biomarkers Workshop - Sponsored by Quanterix (TBC)

Meeting Room 108	Meeting Room 109	Meeting Room 110
Data Blitz C	Chronic outcomes after neurotrauma (experimental)	Update on acute critical care
Chairpersons: Stuart McDonald and Faith Brennan	Chairpersons: Jenna Ziebell and Barry Kosofsky	Chairpersons: Andrew Udy and Tony Bell
2:00pm - 2:05pm P-tau as a Prognostic Biomarker Following Severe Traumatic Brain Injury Ava Puccio	2:00pm - 2:10pm Proteomic analysis of response to treatment in mouse models of repetitive mild TBI Fiona Crawford, The Roskamp Institute (US)	2:00pm - 2:10pm The role of decompressive craniectomy in the management of severe TBI Jeffrey Rosenfeld, Alfred Hospital (AU)
2:05pm - 2:10pm CYP2E1 is downregulated in experimental penetrating TBI and a polymorphism in this gene impairs working memory in Vietnam veterans with penetrating TBI Elham Rostami		
2:10pm - 2:15pm 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 Maha Saber		
2:15pm - 2:20pm Bad Behaviour: The Effects of Repetitive Mild Traumatic Brain Injury on Personality in Adolescent Rats Sabrina Salberg		
2:20pm - 2:25pm The Effect of Acute Alcohol Intoxication on Outcome Following Traumatic Brain Injury Alexander Schupper	2:20pm - 2:30pm Preclinical models of tau propagation in TBI Elisa Zanier, Mario Negri Institute (IT)	2:20pm - 2:30pm Update on clinical trials in traumatic brain injury Peter Hutchinson, Cambridge University (UK)
2:25pm - 2:30pm Pharmacologic Venous Thromboembolic Prophylaxis In 'high-risk' Traumatic Brain Injury Alexander Schupper		
2:30pm - 2:35pm Effect Of Alcohol On Tbi Outcomes: Current State Of Literature Alexander Schupper		
2:35pm - 2:40pm Large animal models: improving clinical translation in traumatic brain injury Jessica Sharkey		
2:40pm - 2:45pm Infections After a Paediatric Traumatic Brain Injury: How do they Worsen Outcomes? Rishabh Sharma		
2:45pm - 2:50pm Resting state functional MRI and corpus callosum volumetry in paediatric traumatic brain injury Dhaval Shukla	2:45pm - 2:55pm TBC Ramesh Raghupathi, Drexel University (US)	2:45pm - 2:55pm MEDICO LEGAL ISSUES IN TBI :Indian Perspective Gouri Kumar Prusty, Calcutta Medical Research Institute (IN)
2:50pm - 2:55pm Analysis of the Chronic Effects of Neurotrauma Consortium (CENC) Baseline Resting State Network Integrity: Interim Findings David Tate		
2:55pm - 3:00pm Unravelling the functional heterogeneity of reactive astrocytes in the injured primate brain Leon Teo		
3:00pm - 3:05pm Traumatic brain injury-induced late-onset sensory hypersensitivity and sex-dependent changes in glutamate neurotransmission Theresa Thomas	3:00pm - 3:10pm Long-term effects of a mild TBI in adolescence on executive function in pre-clinical models Frances Corrigan, University of South Australia (AU)	3:00pm - 3:10pm Fluid Management In Traumatic Brain Injury Patients: A CENTER-TBI Study Eveline Wieggers, Erasmus University (NL)
3:05pm - 3:10pm The Role Of Age In Treatment Differences For Traumatic Brain Injury Ernest Van Veen		
3:10pm - 3:15pm Chronic methylphenidate treatment impairs gambling-like decisions after TBI in rats Cole Vonder Haar		
3:15pm - 3:20pm Clinical Experience, Re-operation Risk And Outcome Of 623 Patients With Chronic Subdural Hematoma And Antithrombotic Medication Alexander Younsi	3:15pm - 3:25pm The synaptic signature of chronic traumatic encephalopathy (CTE) is recapitulated after repetitive head impacts and drives cognitive impairment Bevan Main, Georgetown University (US)	3:15pm - 3:25pm Delayed Neurosurgical Intervention In Traumatic Brain Injury Patients Referred From Primary Hospitals Is Not Associated With An Unfavorable Outcome Eric Thelin, Cambridge University (UK)
3:20pm - 3:25pm TBC		
3:25pm - 3:30pm TBC		

Afternoon Tea

Meeting Room 108	Meeting Room 109	Meeting Room 110
Neuroprotection Strategies	Vascular changes in neurotrauma	Neuropsychological outcomes after paediatric TBI
Chairpersons: TBC	Chairperson: Ramon Diaz-Arrastia and Robert Medcalf	Chairperson: Karen Caeyenberghs
4:00pm - 4:20pm Targeting intra-axonal RyR and IP3R mediated Ca2+ reduces secondary axonal degeneration following a contusive-SCI in vivo David Stirling, University of Louisville Kentucky (US)	4:00pm - 4:20pm Non-invasive Optical Blood Brain Barrier Measurement at the Bedside Tony Bell, University of Birmingham (UK)	4:00pm - 4:20pm Divergent outcomes following moderate/severe TBI in children: Who recovers and why? Talin Babikian, University of California, Los Angeles (US)
4:20pm - 4:40pm Acute Treatment With TrkB Agonist LM22A-4 Confers Neuroprotection And Improves Myelin Integrity In A Mouse Model Of Paediatric Traumatic Brain Injury Jessica Fletcher, University of Melbourne (AU)	4:20pm - 4:40pm Longterm-term neurovascular alterations after juvenile mild traumatic brain injury Jerome Badaut, University of Bordeaux (FR)	4:20pm - 4:40pm Subtle motor function – what does this tell us about paediatric brain injury and recovery? Stacy Suskauer, Kennedy Krieger Institute (US)
4:40pm - 5:00pm The role of RIP1 and RIP3 in secondary brain damage after experimental traumatic brain injury Antonia When, Institute for Stroke and Dementia Research (HR)	4:40pm - 5:00pm The effect of tranexamic acid on the blood-brain barrier and the immune response following traumatic brain injury is gender-dependent Maria Daglas, Monash University (AU)	4:40pm - 5:00pm TBC
5:00pm - 5:15pm Neutralization of Interleukin 1 beta maintains pericyte coverage in the cortex and thalamus following diffuse traumatic brain injury Ilknur Ozen, Lund University (SE)	5:00pm - 5:15pm Mesenchymal stromal cells promote pericyte mediated stabilization of the blood brain barrier after traumatic brain injury Tanya Barretto, St. Michael's Hospital (CA)	5:00pm - 5:15pm Four-years later: Paediatric social competence following mild TBI Kelly Jones, Auckland University of Technology (NZ)
5:15pm - 5:30pm A new heat shock protein inductor as a drug for rehabilitation therapy after traumatic brain injury Vladimir Lazarev, Institute of Cytology Russian Academy of Sciences (RU)	5:15pm - 5:30pm Spatial and temporal pattern of ischaemia and abnormal vascular function following traumatic brain injury Jonathan Coles, University of Cambridge (UK)	5:15pm - 5:30pm Concussions on Steroids: A Behavioural, Molecular, and Imaging Analysis of Anabolic Steroids in the Developing Brain Jason Tabor, University of Calgary (CA)
5:30pm - 6:30pm	Poster Session	
7:00pm - 10:00pm	Gala Dinner Sea Life Melbourne Aquarium ticket required	

THURSDAY 2 APRIL 2020	
Meeting Room 109 & 110	
Neuromodulation in neurotrauma	
<i>Chairpersons: Mary Galea</i>	
9:00am - 9:20am	Brain stimulation for neurotrauma: insights from preclinical models Jennifer Rodgers, University of Western Australia (AU)
9:20am - 9:40am	Using non invasive brain stimulation in the investigation and treatment of brain injury Paul Fitzgerald, Epworth Healthcare (AU)
9:40am - 10:00am	rTMS to Treat Persistent Post Concussive Syntoms Heather Godfrey, University of Calgary (CA)
10:00am - 10:15am	Reversing Twenty-one Years Of Chronic Paralysis Via Non-invasive Spinal Cord Neuromodulation: A Case Report Monzurul Alam, The Hong Kong Polytechnic University (HK)
10:15am - 10:30am	Chemogenetic interventions on parvalbumin interneuron modify neuronal and enhance neuroprotection post TBI Florian Olde Heuvel, Universityclinic Ulm (HR)
10:30am - 11:00am	Morning Tea
Meeting Room 109 & 110	
Novel biomarkers of injury	
<i>Chairpersons: Denes Agoston and Karen Barlow</i>	
11:00am - 11:20am	Circulating Extracellular Vesicles in Traumatic Brain Injury: Temporal Profile, Outcome Prediction and Therapy Implications Stefania Mondello, University of Messina (IT)
11:20am - 11:40am	Circulating microRNAs as potential biomarkers for assessing vasospasm risk following aneurysmal subarachnoid hemorrhage Wang-Xia Wang, University of Kentucky (US)
11:40am - 12:00am	Salivary non-coding RNA: the next generation of biomarkers in concussion Valentina Di Petros, Uinversity of Birmingham (UK)
12:00pm - 12:15pm	Temporal and Trajectory Profiles of Six TBI Serum Biomarkers: A Large Cohort CENTER-TBI study Kevin Wang, University of Florida (US)
12:15pm - 12:30pm	Tau as a Potential Biomarker for Long Term Outcome in Paediatric Traumatic Brain Injury Jennifer Munoz Pareja, University of Florida (US)
Meeting Room 109 & 110	
Closing Ceremony	
12:30pm - 12:45pm	Robert Vink, University of South Australia (AU)
Networking and Free Time	