

MONDAY 8 FEBRUARY 2021

Keynote Address - Update on neurotrauma clinical trials			
8:30am - 9:10am	The emerging science and art of precision medicine in TBI care – lessons from InTBIR David Menon, University of Cambridge (UK)		
9:10am - 9:50am	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)		
9:50am - 10:30am	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			
10:30am - 11:10am	Reactive astrocytes, acute injury, and neuron function Shane Liddelow, New York University (US)		
11:10am - 11:50am	Harnessing the neuroprotective potential of reactive astrocytes after CNS injuries James Bourne, Monash University (AU)		
11:50am - 12:30pm	Chronic changes in remyelination after spinal cord injury Dana McTigue, Ohio State University (US)		
12:30pm - 1:30pm	Sponsored Session by Shine Lawyers – Removing the fear from medico-legal work		
CNS regeneration after injury	Personalised medicine in neurotrauma		Exploring the nexus between TBI and dementia <i>Sponsored by Wicking Dementia Research and Education Centre</i>
1:30pm - 1:50pm	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)
1:50pm - 2:10pm	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)
2:10pm - 2:30pm	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)
2:30pm - 2:45pm	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)
2:45pm - 3:00pm	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 Mikolić, 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)
Neuroinflammation	Concussion management and guidelines		
3:00pm - 3:20pm	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)	
3:20pm - 3:40pm	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)	
3:40pm - 4:00pm	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 Alyah Snyder, University of California, Los Angeles (US)	
4:00pm - 4:15pm	Understanding the mechanism of action of intravenous immunoglobulin in acute spinal cord injury Ellen Gillespie, University of Queensland (AU)	The Concussed Female Athlete: Miserable minority or a missed opportunity? Gary Browne, University of Sydney (AU)	
4:15pm - 4:30pm	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)	
Public Lecture Chronic consequences of sports-related concussion <i>Sponsored by NeuroSurgical Research Foundation (NRF)</i>			
4:30pm - 6:30pm	Beyond Post-Concussion Syndrome: Treating Persistent Post-Concussion Symptoms 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 9 FEBRUARY 2021

Keynote Address - Update on neurotrauma clinical trials - Live Session			
7:00am - 7:10am	The emerging science and art of precision medicine in TBI care – lessons from InTBIR David Menon, University of Cambridge (UK)		
7:10am - 7:20am	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)		
7:20am - 7:30am	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 - Live Session			
7:30am - 7:40am	Reactive astrocytes, acute injury, and neuron function Shane Liddelow, New York University (US)		
7:40am - 7:50am	Harnessing the neuroprotective potential of reactive astrocytes after CNS injuries James Bourne, Monash University (AU)		
7:50am - 8:00am	Chronic changes in remyelination after spinal cord injury Dana McTigue, Ohio State University (US)		
CNS regeneration after injury - Live Session		Personalised medicine in neurotrauma - Live Session	
8:00am - 8:06am	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)
8:06am - 8:12am	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)
8:12am - 8:18am	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)
8:18am - 8:24am	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)
8:24am - 8:30am	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)
Neuroinflammation - Live Session		Concussion management and guidelines - Live Session	
8:30am - 8:36am	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)	
8:36am - 8:42am	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)	
8:42am - 8:48am	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)	
8:48am - 8:54am	Understanding the mechanism of action of intravenous immunoglobulin in acute spinal cord injury Ellen Gillespie, University of Queensland (AU)	The Concussed Female Athlete: Miserable minority or a missed opportunity? Gary Browne, University of Sydney (AU)	
8:54am - 9:00am	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)	
9:00am - 10:00am	Sponsored Session by Shine Lawyers – Removing the fear from medico-legal work - Live Session		
Plenary Address - Advances in neuroimmunology			
10:00am - 10:40am	Repairing the injured spinal cord: targeting scar matrix to modulate inflammation and enable neuroplasticity Elizabeth Bradbury, King's College London (UK)		
10:40am - 11:20am	The microglial scar: Microglia are a key component of the protective scar that forms after SCI Steven Lacroix, Laval University (CA)		
11:20am - 12:00pm	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	
12:00pm - 12:20pm	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)	
12:20pm - 12:40pm	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)	
12:40pm - 1:00pm	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)	
1:00pm - 1:15pm	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)	
1:15pm - 1:30pm	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 Pisci, Erasmus Medical Center (NL)	
Neuromodulation in neurotrauma		Novel biomarkers of injury	
1:30pm - 1:50pm	Brain stimulation for neurotrauma: insights from preclinical models Jennifer Rodgers, University of Western Australia (AU)	Circulating Extracellular Vesicles in Traumatic Brain Injury: Temporal Profile, Outcome Prediction and Therapy Implications Stefania Mondello, University of Messina (IT)	
1:50pm - 2:10pm	Using non invasive brain stimulation in the investigation and treatment of brain injury Paul Fitzgerald, Epworth Healthcare (AU)	Circulating microRNAs as potential biomarkers for assessing vasospasm risk following aneurysmal subarachnoid hemorrhage Wang-Xia Wang, University of Kentucky (US)	
2:10pm - 2:30pm	rTMS to Treat Persistent Post Concussive Symptoms Heather Godfrey, University of Calgary (CA)	Salivary non-coding RNA: the next generation of biomarkers in concussion Valentina Di Petros, University of Birmingham (UK)	
2:30pm - 2:45pm	Reversing Twenty-one Years Of Chronic Paralysis Via Non-invasive Spinal Cord Neuromodulation: A Case Report Monzurul Alam, The Hong Kong Polytechnic University (HK)	Temporal and Trajectory Profiles of Six TBI Serum Biomarkers: A Large Cohort CENTER-TBI study Kevin Wang, University of Florida (US)	
2:45pm - 3:00pm	Chemogenetic interventions on parvalbumin interneuron modify neuronal and enhance neuroprotection post TBI Florian Olde Heuvel, University clinic Ulm (HR)	Tau as a Potential Biomarker for Long Term Outcome in Paediatric Traumatic Brain Injury Jennifer Munoz Pareja, University of Florida (US)	

		International Neurotrauma Symposium 2020 7 - 11 February 2021			
WEDNESDAY 10 FEBRUARY 2021					
Plenary Address - Advances in Neuroimmunology - Live Session					
7:00am - 7:10am	Repairing the injured spinal cord: targeting scar matrix to modulate inflammation and enable neuroplasticity Elizabeth Bradbury, King's College London (UK)				
7:10am - 7:20am	The microglial scar: Microglia are a key component of the protective scar that forms after SCI Steven Lacroix, Laval University (CA)				
7:20am - 7:30am	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 - Live Session		Latest updates on clinical trials and international neurotrauma consortia - Live Session			
7:30am - 7:36am	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)			
7:36am - 7:42am	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)			
7:42am - 7:48am	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)			
7:48am - 7:54am	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)			
7:54am - 8:00am	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 Pilsica, Erasmus Medical Center (NL)			
Neuromodulation in Neurotrauma - Live Session		Novel biomarkers of injury - Live Session			
8:00am - 8:06am	Brain stimulation for neurotrauma: insights from preclinical models Jennifer Rodgers, University of Western Australia (AU)	Circulating Extracellular Vesicles in Traumatic Brain Injury: Temporal Profile, Outcome Prediction and Therapy Implications Stefania Mondello, University of Messina (IT)			
8:06am - 8:12am	Using non invasive brain stimulation in the investigation and treatment of brain injury Paul Fitzgerald, Epworth Healthcare (AU)	Circulating microRNAs as potential biomarkers for assessing vasospasm risk following aneurysmal subarachnoid hemorrhage Wang-Xia Wang, University of Kentucky (US)			
8:12am - 8:18am	rTMS to Treat Persistent Post Concussive Symptoms Heather Godfrey, University of Calgary (CA)	Salivary non-coding RNA: the next generation of biomarkers in concussion Valentina Di Petro, University of Birmingham (UK)			
8:18am - 8:24am	Reversing Twenty-one Years Of Chronic Paralysis Via Non-invasive Spinal Cord Neuromodulation: A Case Report Monzurul Alam, The Hong Kong Polytechnic University (HK)	Temporal and Trajectory Profiles of Six TBI Serum Biomarkers: A Large Cohort CENTER-TBI study Kevin Wang, University of Florida (US)			
8:24am - 8:30am	Chemogenetic interventions on parvalbumin interneuron modify neuronal and enhance neuroprotection post TBI Florian Olde Heuvel, Universitätsklinikum Ulm (HR)	Tau as a Potential Biomarker for Long Term Outcome in Paediatric Traumatic Brain Injury Jennifer Munoz Pareja, University of Florida (US)			
Public Lecture - Live Session Chronic consequences of sports-related concussion Sponsored by NeuroSurgical Research Foundation (NRF)					
8:30am - 9:30am	Beyond Post-Concussion Syndrome: Treating Persistent Post-Concussion Symptoms 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)				
Plenary Address - Evidence-based neurorehabilitation					
9:30am - 10:10am	Improving outcome after TBI with evidence-based rehabilitation Jennie Ponsford, Monash University (AU)				
10:10am - 10:50am	Predictors of resilience and early vulnerability after early brain injury Vicki Anderson, University of Melbourne (AU)				
10:50am - 11:30am	Enhancing activity-dependent plasticity through neuromodulation following spinal cord injury Claudia Angell, University of Louisville (US)				
Advances in neuroimaging		Cell therapies for neurotrauma		Chronic outcomes after neurotrauma (clinical)	
11:30am - 11:50am	What can neuroimaging tell us about TBI? Insights gained from CENTER-TBI Virginia Newcombe, University of Cambridge (UK)	Transplantation of human neural stem cells for repair after spinal cord injury in the primate Jackie Bresnahan, University of California, San Francisco (US)		Effect of sex and age on quality of life up to ten years after traumatic brain injury Katrin Rauen, University of Zurich (CH)	
11:50am - 12:10pm	Current Protocol and Advances in Neuroimaging for Concussion Meng Law, Monash University (AU)	Combining Neural Progenitor Cell Transplantation with an Activity-based Therapy after Cervical Spinal Cord Injury Michael Lane, Drexel University (US)		Exploring The Invisible Wound: Neuropathology Studies Of Military TBI Daniel Perl, Uniformed Services University (US)	
12:10pm - 12:30pm	TBC Elisabeth Wilde, University of Utah (US)	Amnion cell therapy for acute stroke Chris Sobey, La Trobe University (AU)		Post-traumatic epilepsy following traumatic brain injury: Can it be prevented? Terence O'Brien, Monash University (AU)	
12:30pm - 12:45pm	White Matter Disruption after paediatric Moderate/Severe TBI: Results from the ENIGMA paediatric msTBI Working Group Emily Dennis, University of Southern California (US)	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 Youns, University of Heidelberg (DE)		Community integration 10 years after moderate-to-severe traumatic brain injury Nada Andelic, Oslo University Hospital (NO)	
12:45pm - 1:00pm	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)	Analysis of human neural stem cell migration in naive mouse brain and towards traumatic brain injury using clarity Benoit Mouzon, Roskamp Institute (US)		Long-term Cognitive Functioning Decades after Traumatic Brain Injury Amelia Hicks, Monash University (AU)	
1:00pm - 2:00pm	Biomarkers Workshop - Sponsored by Quanterix (TBC)				
Chronic outcomes after neurotrauma (experimental)		Update on acute critical care			
2:00pm - 2:20pm	Proteomic analysis of response to treatment in mouse models of repetitive mild TBI Fiona Crawford, The Roskamp Institute (US)	The role of decompressive craniectomy in the management of severe TBI Jeffrey Rosenfeld, Alfred Hospital (AU)			
2:20pm - 2:40pm	Preclinical models of tau propagation in TBI Elisa Zanier, Mario Negri Institute (IT)	Update on clinical trials in traumatic brain injury Peter Hutchinson, Cambridge University (UK)			
2:40pm - 3:00pm	Mechanisms underlying long-term behavioral deficits following pediatric TBI Ramesh Raghupathi, Drexel University (US)	MEDICO LEGAL ISSUES IN TBI: Indian Perspective Gouri Kumar Prusty, Calcutta Medical Research Institute (IN)			
3:00pm - 3:15pm	Long-term effects of a mild TBI in adolescence on executive function in pre-clinical models Frances Corrigan, University of South Australia (AU)	Fluid Management In Traumatic Brain Injury Patients: A CENTER-TBI Study Eveline Wieggers, Erasmus University (NL)			
3:15pm - 3:30pm	The synaptic signature of chronic traumatic encephalopathy (CTE) is recapitulated after repetitive head impacts and drives cognitive impairment Bevan Main, Georgetown University (US)	Delayed Neurosurgical Intervention In Traumatic Brain Injury Patients Referred From Primary Hospitals Is Not Associated With An Unfavorable Outcome Eric Thelin, Cambridge University (UK)			
Neuroprotection Strategies		Vascular changes in neurotrauma		Neuropsychological outcomes after paediatric TBI	
3:30pm - 3:50pm	Targeting intra-axonal RyR and IP3R mediated Ca ²⁺ reduces secondary axonal degeneration following a contusive-SCI in vivo David Stirling, University of Louisville Kentucky (US)	Non-invasive Optical Blood Brain Barrier Measurement at the Bedside Tony Belli, University of Birmingham (UK)		Divergent outcomes following moderate/severe TBI in children: Who recovers and why? Talin Babikian, University of California, Los Angeles (US)	
3:50pm - 4:10pm	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)	Long-term-term neurovascular alterations after juvenile mild traumatic brain injury Jerome Badaut, University of Bordeaux (FR)		Subtle motor function – what does this tell us about paediatric brain injury and recovery? Stacy Suskauer, Kennedy Krieger Institute (US)	
4:10pm - 4:30pm	The role of RIP1 and RIP3 in secondary brain damage after experimental traumatic brain injury Antonia When, Institute for Stroke and Dementia Research (HR)	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)		Four-years later: Paediatric social competence following mild TBI Kelly Jones, Auckland University of Technology (NZ)	
4:30pm - 4:45pm	Neutralization of Interleukin 1 beta maintains pericyte coverage in the cortex and thalamus following diffuse traumatic brain injury Ilknur Ozen, Lund University (SE)	Mesenchymal stromal cells promote pericyte mediated stabilization of the blood brain barrier after traumatic brain injury Tanya Barretto, St. Michael's Hospital (CA)		Concussions on Steroids: A Behavioural, Molecular, and Imaging Analysis of Anabolic Steroids in the Developing Brain Jason Tabor, University of Calgary (CA)	
4:45pm - 5:00pm	A new heat shock protein inducer as a drug for rehabilitation therapy after traumatic brain injury Vladimir Lazarev, Institute of Cytology Russian Academy of Sciences (RU)	Spatial and temporal pattern of ischaemia and abnormal vascular function following traumatic brain injury Jonathan Coles, University of Cambridge (UK)			

THURSDAY 11 FEBRUARY 2021

Plenary Address - Evidence-based neurorehabilitation - Live Session			
7:00am - 7:10am	Improving outcome after TBI with evidence-based rehabilitation Jennie Ponsford, Monash University (AU)		
7:10am - 7:20am	Predictors of resilience and early vulnerability after early brain injury Vicki Anderson, University of Melbourne (AU)		
7:20am - 7:30am	Enhancing activity-dependent plasticity through neuromodulation following spinal cord injury Claudia Angeli, University of Louisville (US)		
Advances in neuroimaging - Live Session		Cell therapies for neurotrauma - Live Session	Chronic outcomes after neurotrauma (clinical) - Live Session
7:30am - 7:36am	What can neuroimaging tell us about TBI? Insights gained from CENTER-TBI Virginia Newcombe, University of Cambridge (UK)	Transplantation of human neural stem cells for repair after spinal cord injury in the primate Jackie Bresnahan, University of California, San Francisco (US)	Effect of sex and age on quality of life up to ten years after traumatic brain injury Katrin Rauen, University of Zurich (CH)
7:36am - 7:42am	Current Protocol and Advances in Neuroimaging for Concussion Meng Law, Monash University (AU)	Combining Neural Progenitor Cell Transplantation with an Activity-based Therapy after Cervical Spinal Cord Injury Michael Lane, Drexel University (US)	Exploring The Invisible Wound: Neuropathology Studies Of Military TBI Daniel Perl, Uniformed Services University (US)
7:42am - 7:48am	TBC Elisabeth Wilde, University of Utah (US)	Amnion cell therapy for acute stroke Chris Sobey, La Trobe University (AU)	Post-traumatic epilepsy following traumatic brain injury: Can it be prevented? Terence O'Brien, Monash University (AU)
7:48am - 7:54am	White Matter Disruption after paediatric Moderate/Severe TBI: Results from the ENIGMA paediatric mTBI Working Group Emily Dennis, University of Southern California (US)	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)	Community integration 10 years after moderate-to-severe traumatic brain injury Nada Andelic, Oslo University Hospital (NO)
7:54am - 8:00am	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)	Analysis of human neural stem cell migration in naive mouse brain and towards traumatic brain injury using clarity Benoit Mouzon, Roskamp Institute (US)	Long-term Cognitive Functioning Decades after Traumatic Brain Injury Amelia Hicks, Monash University (AU)
Chronic outcomes after neurotrauma (experimental) - Live Session		Update on acute critical care - Live Session	
8:00am - 8:06am	Proteomic analysis of response to treatment in mouse models of repetitive mild TBI Fiona Crawford, The Roskamp Institute (US)	The role of decompressive craniectomy in the management of severe TBI Jeffrey Rosenfeld, Alfred Hospital (AU)	
8:06am - 8:12am	Preclinical models of tau propagation in TBI Elisa Zanier, Mario Negri Institute (IT)	Update on clinical trials in traumatic brain injury Peter Hutchinson, Cambridge University (UK)	
8:12am - 8:18am	Mechanisms underlying long-term behavioral deficits following pediatric TBI Ramesh Raghupathi, Drexel University (US)	MEDICO LEGAL ISSUES IN TBI :Indian Perspective Gouri Kumar Prusty, Calcutta Medical Research Institute (IN)	
8:18am - 8:24am	Long-term effects of a mild TBI in adolescence on executive function in pre-clinical models Frances Corrigan, University of South Australia (AU)	Fluid Management In Traumatic Brain Injury Patients: A CENTER-TBI Study Eveline Wieggers, Erasmus University (NL)	
8:24am - 8:30am	The synaptic signature of chronic traumatic encephalopathy (CTE) is recapitulated after repetitive head impacts and drives cognitive impairment Bevan Main, Georgetown University (US)	Delayed Neurosurgical Intervention In Traumatic Brain Injury Patients Referred From Primary Hospitals Is Not Associated With An Unfavorable Outcome Eric Thelin, Cambridge University (UK)	
Neuroprotection Strategies - Live Session		Vascular changes in neurotrauma - Live Session	Neuropsychological outcomes after paediatric TBI - Live Session
8:30am - 8:36am	Targeting intra-axonal RyR and IP3R mediated Ca ²⁺ reduces secondary axonal degeneration following a contusive-SCI in vivo David Stirling, University of Louisville Kentucky (US)	Non-invasive Optical Blood Brain Barrier Measurement at the Bedside Tony Belli, University of Birmingham (UK)	Divergent outcomes following moderate/severe TBI in children: Who recovers and why? Talin Babikian, University of California, Los Angeles (US)
8:36am - 8:42am	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)	Long-term neurovascular alterations after juvenile mild traumatic brain injury Jerome Badaut, University of Bordeaux (FR)	Subtle motor function – what does this tell us about paediatric brain injury and recovery? Stacy Suskauer, Kennedy Krieger Institute (US)
8:42am - 8:48am	The role of RIP1 and RIP3 in secondary brain damage after experimental traumatic brain injury Antonia When, Institute for Stroke and Dementia Research (HR)	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)	Four-years later: Paediatric social competence following mild TBI Kelly Jones, Auckland University of Technology (NZ)
8:48am - 8:54am	Neutralization of Interleukin 1 beta maintains pericyte coverage in the cortex and thalamus following diffuse traumatic brain injury Ilknur Ozen, Lund University (SE)	Mesenchymal stromal cells promote pericyte mediated stabilization of the blood brain barrier after traumatic brain injury Tanya Barretto, St. Michael's Hospital (CA)	Concussions on Steroids: A Behavioural, Molecular, and Imaging Analysis of Anabolic Steroids in the Developing Brain Jason Tabor, University of Calgary (CA)
8:54am - 9:00am	A new heat shock protein inducer as a drug for rehabilitation therapy after traumatic brain injury Vladimir Lazarev, Institute of Cytology Russian Academy of Sciences (RU)	Spatial and temporal pattern of ischaemia and abnormal vascular function following traumatic brain injury Jonathan Coles, University of Cambridge (UK)	
9:00am - 10:00am	Biomarkers Workshop - Sponsored by Quanterix (TBC) - Live Session		