



“Working together to improve outcomes and lessen the global burden of TBI by 2020”

International Initiative for Traumatic Brain Injury Research (InTBIR)

InTBIR Phase 2: Building on Collaborations

October 24-25, 2019

NIH Natcher Conference Center (Balcony B) – Bethesda, MD

Thursday, October 24, 2019

- 7:30 – 8:30 Biofluids and Imaging Working Group pre-meetings (Rooms D & J, lower level)
- 8:00 – 8:30 **Registration/Check In**
- 8:30 – 8:37 **Welcome – Patrick Bellgowan, PhD, NINDS**
- 8:37 – 8:45 **Looking towards Horizon Europe – Karim Berkouk, PhD, European Commission DG RTD**
- 8:45 – 9:00 **Meeting Goals – David Menon, MD, PhD, on behalf of the InTBIR Steering & Planning Committee**
1. *The power of collaboration seen through InTBIR successes*
 2. *Solutions for international collaboration learned from existing collaborative projects*
 3. *Transformation of InTBIR into an investigator led collective*
 4. *Panel discussions to emphasize interactions between silos and address concrete questions*
- 9:00 – 10:45 **Session 1: InTBIR synergized – International collaborative projects**
20 min presentations with 5 min Q&A
Chair: Mona Hicks, PhD
1. Genetic Associations in Neurotrauma (GAIN) Preliminary Results – David Menon, MD, PhD
 2. Anti-platelet or anti-coagulant (APAC) use at the time of injury: A TRACK and CENTER collaboration – Nancy Temkin, PhD
 3. Practical Steps for High Quality Data: the DAQCOR Tool – Ari Ercole, MD, PhD and Mike Jarrett, MBA
 4. International Collaboration On Neuroinflammation in Traumatic Brain Injury (ICON-TBI) – Michael Esser, MD, PhD
- 10:45 – 11:00 Break
- 11:00 – 13:00 **Session 2a: Developing new collaborations – Panel discussions**
1. **Biomarkers I & II: Synergizing Neuroimaging and Biofluid Biomarkers discussion**
Standardizing blood biomarker measurements for use in TBI to identify clinical cutoffs & cross-study comparisons
Chairs:
Kevin Wang, PhD
Cheryl Wellington, PhD
Discussants:
Stefania Mondello, MD, MPH, PhD
Ramon Diaz-Arrastia, MD, PhD
Jamie Hutchinson, MD



Standardizing and quantifying neuroimaging measurements in TBI

Chairs:

Inga Koerte, MD, PhD
Pratik Mukherjee, MD, PhD

Discussants:

Christine Mac Donald, PhD
Virginia Newcombe MD, PhD
Yogesh Rathi, PhD

What are the next steps needed to combine neuroimaging and blood protein biomarkers for ‘precision medicine’ approaches?

– general discussion with all

13:00 – 14:00 Lunch

14:00 – 15:00 Session 2b: Developing new collaborations – Panel discussions

2. Outcomes: leveraging InTBIR studies to improve outcome assessments

Chairs:

Joseph Giacino, PhD
Lindsay Wilson, PhD

Discussants:

Ann-Christine Duhaime, MD
Sidney Hinds, MD
Andrew Maas, MD, PhD
Nancy Temkin, PhD

15:00 – 16:00 Session 2c: Developing new collaborations – Panel discussions

3. Prognostic models: current status and future opportunities

Chair:

Ewout Steyerberg, PhD

Discussants:

Guido Bertolini, MD
Ava Puccio, PhD
Alexis Turgeon, MD MSc
Roger Zemek, MD

16:00 – 16:15 Break

16:15 – 17:15 Session 2d: Developing new collaborations – Panel discussions

4. Frameworks for testing interventions

Chairs:

Hester Lingsma, PhD, MSc
David Okonkwo, MD, PhD



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Discussants:

Jamie Cooper, MD
Guoyi Gao, MD, PhD
Geoff Manley, MD, PhD
Wai Sang Poon, FHKAM (SURG)

17:15 – 18:30 Steering Committee meeting to discuss InTBIR Phase 2 implementation

Friday, October 25, 2019

9:00 – 11:30 Session 3 Collaborative opportunities from InTBIR studies

20 min presentations and 5 min Q&A

Chair: Tim Raemaekers, PhD

1. Harmonization of diffusion MRI across studies – Inga Koerte, MD, PhD and Yogesh Rathi, PhD
2. Update on the conduction of the HEMOTION Trial and looking for additional collaborations – Alexis Turgeon, MD, MSc
3. Neuroimaging and blood biomarkers of concussion in NCAA student-athletes and US military service academy cadets: emerging evidence from the Advanced Research Core (ARC) NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium – Michael McCrea, PhD

10:15-10:30 *Break*

4. Cross validation within InTBIR consortia of biomarker-based prognostic classifications – Guido Bertolini, MD
5. Update on CENTER-TBI serum biobank and protein biomarker analysis, preliminary results – András Büki, MD, PhD, DSc

11:30 – 13:00 Working Lunch – Opportunity to join the Imaging and Biofluids working groups to discuss future projects and collaborations – Balcony A and Room D

13:00 – 15:00 Session 4: New opportunities for global knowledge sharing and networking

20 min presentations with 30 min panel discussion

Chair: Patrick Bellgowan, PhD

1. Mission TBI Australia – Melinda Fitzgerald, PhD
2. Pediatric Guideline Adherence and Outcomes (PEGASUS) in Latin America – Monica Vavilala, MD
3. Characteristics and outcomes of TBI in Ashanti Region of Ghana – Rockefeller Oteng, MD
4. Overview of CENTER’s collaborations in China – Guoyi Gao, MD, PhD

Panel discussion on challenges and opportunities in global neurotrauma research (~30 min)

15:00 – 15:15 *Break*



15:15 – 15:45 Session 5: Implementation of InTBIR Phase 2

Discussion of future directions and next steps for InTBIR Phase 2

Steering Committee:

- Hester Lingsma, PhD, MSc
- Geoffrey Manley, MD, PhD
- David Menon MD, PhD
- David O. Okonkwo, MD, PhD

15:45 – 16:30 Closing remarks and availability of relevant funding opportunities (5-10 min each)

1. Department of Defense, Combat Casualty Care Research Program/JPC-6 – James B. (J.B) Philips, PhD, MBA, PMP
2. ERANET-NEURON –Marlies Dorloechter, PhD
3. One Mind – Mona Hicks, PhD
4. European Commission – Tim Raemaekers, PhD
5. National Institute of Neurological Disorders and Stroke – Pat Bellgowan, PhD

16:30 Adjourn

Planning Committee

Scientific Steering & Planning Committee

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Erasmus MC University Medical Center Rotterdam

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University of California, San Francisco

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Care Research Program

Carol Taylor-Burds, PhD
Program Analyst, NIH/NINDS

**New InTBIR Steering Committee*

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