

2017 REGENERATIVE  
MEDICINE  
INSTITUTE  
SYMPOSIUM

REGENERATION AND  
NEUROLOGICAL TRAUMA:  
FROM THE PLAYING FIELD TO  
THE BATTLE FIELD

Feb. 9-10, 2017 at Cedars-Sinai

Thursday, February 9, 8 a.m.– 5 p.m.

**Harvey Morse Auditorium, Plaza Level,  
South Tower, Cedars-Sinai**

8–9 a.m. **Registration/Breakfast**  
9–9:15 a.m. Welcome: Clive Svendsen, PhD, Bruce Gewertz, MD, Gretchen Thomsen, PhD, Eric Ley, MD, Zulma Gazit, PhD. Introduction of Kerlan Jobe/Cedars Collaboration

**Keynote Speaker**

9:15–10 a.m. **Peter Rhee, MD**  
(Grady Memorial Hospital):  
“TBI management: Anything new lately?”

**Session I: Spinal Cord Injury**

**Chair: Bruce Gewertz, MD**

10:00– 10:30 a.m. **Rod Oskouian, MD**  
(Swedish Medical Center): “Mechanisms involved in acute spinal cord injury and improving the potential for therapeutic intervention”

10:30–10:45 a.m. **REFRESHMENT BREAK**

10:45–11:15 a.m. **Reggie Edgerton, PhD**  
(UCLA): “Neuromodulatory Strategies Enable Activity-Dependent Plasticity; the Cornerstone of Functional Recovery”

11:15–11:45 a.m. **W. Dalton Dietrich, PhD**  
(The Miami Project to Cure Paralysis, University of Miami): “Protection and repair after spinal cord injury: current and future directions”

11:45–12:00 p.m. **Discussion**

**Special Lecture**

12–12:30 p.m. **Jesse Billauer**  
(World Champion Quadriplegic Surfer):  
“Life Rolls On”

12:30–1:15 p.m. **LUNCH BREAK**

**Session II:**

**Traumatic Brain Injury – Imaging approaches**

**Chair: Robert Baloh, MD, PhD**

1:15–1:45 p.m. **Chris Giza, MD, PhD**  
(UCLA): “It’s not all Fun & Games: Translational Science of Youth Concussions”

1:45–2:15 p.m. **James Stone, MD, PhD**  
(UVA): “Molecular imaging of traumatic brain injury”

2:15–2:45 p.m. **David Brody, MD**  
(Washington University):  
“What do diffusion tensor imaging abnormalities mean? Radiological-pathological correlations”

2:45–3 p.m. **REFRESHMENT BREAK**

3–3:30 p.m. **Luca Marinelli, PhD**  
(GE Global Research, Niskayuna, NY):  
“GE/NFL Head Health Initiative: A multi-site clinical research study perspective on MR imaging biomarkers for mild TBI”

3:30–3:45 p.m. **Discussion**

**Special Lecture**

3:45–4:15 p.m. **Bert Mandelbaum, MD**  
(Kerlan-Jobe): “The Win Within”

**Plenary Lecture:**

4:15–5 p.m. **Ann McKee, MD**  
(Boston University):  
“Football and the brain”

5–5:30 p.m. **BREAK/WALK TO SOFITEL**

**Thursday Special Evening Reception**

5:30–8 p.m. **Sofitel Los Angeles**  
Beverly Hills:  
8555 Beverly Blvd.  
**CONCUSSION PANEL (6:30-7:30 p.m.)** with clinicians, scientists and professional athletes including Dr. Ann McKee and professional athletes Ben Utecht (NFL) and Alecko Eskandarian (MLS) discussing important aspects of concussion in sports.

Friday, February 10, 8:30 a.m.– 5 p.m.

**Harvey Morse Auditorium, Plaza Level,  
South Tower, Cedars-Sinai**

8:30-9 a.m. **Breakfast**

**Plenary Lecture**

9-9:45 a.m. **Donald Ingber, MD, PhD**  
(Wyss Institute at Harvard University):  
“Reverse engineering human  
pathophysiology with organs on chips”

**Session III:  
CNS Injury Modeling and Clinical Evaluation**

**Chair: Michael Alexander, MD**

9:45–10:15 a.m. **Jian Luo, MD, PhD**  
(Stanford University):  
“Developing a small molecule activator of  
Smad signaling for the treatment of mild  
traumatic brain injury”

10:15–10:45 a.m. **Gretchen Thomsen, PhD**  
(Cedars-Sinai):  
“Trauma and neurodegeneration: Insights  
from a novel rodent repeat concussion  
model”

10:45-11 a.m. **REFRESHMENT BREAK**

11–11:30 a.m. **Vernon Williams, MD**  
(Kerlan-Jobe):  
“Clinical evaluation of sports concussion:  
What we know...and wish we knew”

11:30–11:45 a.m. **Discussion**

**Plenary Lecture**

11:45-12:30 p.m. **Colonel Dallas Hack, MD**  
(US Army, Retired): “Military leadership in  
trauma care: A National resource”

12:30-1:15 p.m. **LUNCH BREAK**

**Session IV:  
Therapeutic Approaches to CNS Injury**

**Chair: Eric Ley, MD**

1:15–1:45 p.m. **George Liao, MD**  
(University of Texas Health Science  
Center at Houston):  
“Autologous cell therapy for  
traumatic brain injury”

1:45–2:15 p.m. **Aileen Anderson, PhD**  
(UC Irvine):  
“Neural stem cell transplantation for  
neurotrauma: Clinical targets and  
pre-clinical benchmarks”

2:15–2:45 p.m. **Eric Ley, MD**  
(Cedars-Sinai):  
“Therapeutic approaches for TBI”

2:45–3 p.m. **Discussion**

3–3:15 p.m. **REFRESHMENT BREAK**

**Session V:  
Translational Research for CNS Injury:**

**Chair: Clive Svendsen, PhD**

3:15–3:45 p.m. **Ramona Hicks, PhD**  
(One Mind Organization):  
“Translational research for CNS  
trauma: Are we ready for  
success?”

3:45–4:15 p.m. **Amir Tamiz, PhD**  
(Program Director NIH/NINDS  
Office of Translational Research):  
“NINDS programs to advance  
translational research for  
neurological disorders”

4:15-5 p.m. **Panel Discussion/Open Question &  
Answer Session: “What the future  
holds”**

Chair: Clive Svendsen, PhD  
Panelists: Col Dallas Hack, MD, Peter  
Rhee, MD, Vernon Williams, MD, Tom  
Bollenbach, PhD

5 p.m. **Closing remarks**