

HOAG ADVANCES IN VIRTUAL REALITY
FRIDAY, OCTOBER 9, 2020
8 a.m. – 5:30 p.m. (PST)



PROGRAM FACULTY

Arnaud Bosteels, MD

Head of Virtual Reality Unit
Department Head, Anesthesiology
Clinic Saint-Jean Brussels

Brandon Birkhead, MD

Project Scientist
Cedars-Sinai Health System

Erin Boxley, RN

Hoag

Robert T. Braithwaite

President and Chief Executive Officer
Hoag

Allyson Brooks, MD, FACOG

Ginny Ueberroth Executive Medical Director
Endowed Chair, Hoag Women's Health Institute
Hoag

Danielle Collins

Chief Experience Officer
Empower360 Foundation

Beth Darnall, PhD

Associate Professor, Department of Anesthesiology, Perioperative,
and Pain Medicine
Stanford University School of Medicine

Bob Fine

Executive Director
International Virtual Reality and Healthcare Association

Aaron Gani

Founder and Chief Executive Officer
BehaVR, LLC

Walter Greenleaf, PhD

Virtual Human Interaction Laboratory
Stanford University

Brendon Hale, PhD

Senior Principal Research Scientist
UnitedHealth Group

Hunter Hoffman, PhD

Research Scientist, Principal Investigator
University of Washington Human Interface
Technology Laboratory (HTL)

Jessica Hovland, BSN, RN, CPAN, NE-BC, RN-BC

Assistant/Interim ASC Clinical Director, UT Health Austin
DNP Candidate

Thomas Hutchinson

Executive Director, XR Development
Hoag

Lisa Kaminski, RN, BSN

Hoag

Paula Kranz

XR Health Consultant
Senior Vice President, Novant Health
FDA Collaborative Committee

Robert Louis, MD, FAANS

Empower360 Endowed Chair in Skull Base and Minimally Invasive
Neurosurgery
Director, Skull Base and Pituitary Program
Hoag

Eran Orr

Founder and Chief Executive Officer
XRHealth

Josh Sackman

President and Co-founder
AppliedVR

Brennan M. Spiegel, MD

Director, Health Services Research
Cedars-Sinai Health System

Jon Weinberg

Co-founder and Chief Operating Officer
Karuna Labs

Anusha Wijeyakumar, MA, CPC, RYT, Dip Mentoring

Wellness Consultant
Hoag

Daniel S. Yanni, MD, FAANS

Neurological Surgeon
Minimally Invasive and Complex Spine Surgery
CEO, Disc Comfort Inc
Hoag

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PROGRAM AGENDA

Plenary Session

- 8 – 8:15 am** **Welcome and Call to Action**
Robert T. Braithwaite
- 8:15 – 8:45 a.m.** **Meditation for Resilience or Meditation for Pain Management**
Anusha Wijeyakumar, MA, CPC, RYT, Dip Mentoring
- 8:45 - 9:30 a.m.** **Keynote Presentation**
How Virtual Reality Technology is Transforming Healthcare
Walter Greenleaf, PhD
- 9:30 - 10:15 a.m.** **VRx: How Virtual Therapeutics Will Revolutionize Medicine**
Brennan Spiegel, MD
- 10:15 - 10:30 a.m.** **Virtual Interactive Break**
- 10:15-11:00 a.m.** **Leading the Path Forward – The Hoag Approach for Enhancing
Care Delivery with XR**
Robert Louis, MD, FAANS
Thomas Hutchinson

Patient Experience

- 11:00-11:30 a.m.** **Patient Perspective: The Collective Call for Change**
Danielle Collins
- 11:30 a.m. – 12 p.m.** **International Virtual Reality in Healthcare Association**
Bob Fine
- 12 - 12:30 p.m.** **Virtual Lunch Break**

Deploy: Virtual Solutions for Real World Pain

- 12:30 – 12:50 p.m.** **Immersive Virtual Reality Analgesia**
Hunter Hoffman, PhD
- 12:50 – 1:10 p.m.** **Evolution of Behavioral Medicine for Chronic Pain to Virtual Reality**
Beth Darnall, PhD
- 1:10 – 1:30 p.m.** TBD
- 1:30 – 1:50 p.m.** **Using VR as a Digital Sedation Tool, a Real-Life Example**
Arnaud Bosteels, MD

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Research: Furthering the Evidence Basis for Medical VR

- 1:50 – 2:10 p.m.** **Virtual Reality Meditation
Breaks to Alleviate Nursing Stress**
Lisa Kaminski, RN
Erin Boxley, RN
- 2:10 – 2:30 p.m.** **Virtual Reality for Opiate Reduction in the PACU**
Jessica Hovland, BSN, RN, CPAN, NE-BC, RN-BC
- 2:30 – 2:50 p.m.** **How Do We Improve the Science of Medical VR?**
Brandon Birkhead, MD
- 2:50 – 3:10 p.m.** **Virtual Interactive Break**

Develop: Virtual Solutions for Unmet Clinical Needs

- 3:10 – 3:30 p.m.** **NurtureVR – Virtual Reality for Pregnancy, Childbirth and the Fourth Trimester**
Allyson Brooks, MD, FACOG
- 3:30 – 3:50 p.m.** **Non-structural Contributors to Back Pain – How VR Can Help**
Daniel Yanni, MD, FAANS
- 3:50 – 4:20 p.m.** **Expert Panel Designing VR Applications for Pain Relief**

Moderator:
Robert Louis, MD, FAANS

Panel Members:
Aaron Gani
Josh Sackman
Eran Orr
Jon Weinberg

Overcoming Obstacles: Path Forward – Perspectives from Payors, Providers and Patients

- 4:20 - 4:40 p.m.** **Building and Delivering Valuable Digital Therapies for Patient Health**
Brendon Hale
- 4:40 - 5 p.m.** **Building an FDA Collaborative Community**
Paula Kranz
- 5:20 - 5:30 p.m.** **Wrap-up**
Robert Louis, MD, FAANS