HIGH-IMPACT PROJECTS/ EMERGING TECHNOLOGIES

Group 4

Moderators:

Thomas Skalak (UVA)

Thomas Brady (MGH)

LaLique Suite

December 17 – 12:00 PM

Session Focus

Determine high-impact projects or promising emerging technologies that support the research focus areas and are appropriate for the NIBIB's mission.

Thomas Brady, PhD

Massachusetts General Hospital

High-impact Project

Develop molecular imaging and biosensors to exploit new genomics knowledge, to monitor disease processes and to detect biological threat agents.

Richard Ehman, PhD

Mayo Clinic and Foundation

High-impact Project

Nanoimaging, mixed-spectrum imaging, and novel inversion technology.

Laurie Fajardo, PhD

University of Iowa Medical Center

High-impact Project

Nanotechnology for detecting/monitoring molecular technologies for diagnosis and intervention.

Warren Jones, PhD
NIH/NIGMS

High-impact Project

Encapsulated cell technology.

Robert Lenkinski, PhD

Beth Israel Deaconess Medical Center

High-impact Project

Optical Imaging.

King Li, PhD
NIH/CC

High-impact Project

Multi-modality image guided tissue procurement and therapy.

Bernhard Palsson, PhD

University of California – San Diego

High-impact Project

Relate genotypes to phenotypes.

Jeff Schloss, PhD
NIH/NHGRI

High-impact Project

Novel technologies for tissue engineering.

Thomas Skalak, PhD

University of Virginia

High-impact Project

Therapeutic blood vessel growth & neural repair in adults.

Bruce Tromberg, PhD
University of California - Irvine

High-impact Project

Combine technology development (hardware, computation, advanced visualization) with the development of realistic biological models and systems to impact broad areas of biology and medicine.

David Walt, PhD
Tufts University

High-impact Project

DNA diagnostics.

Tuan vo Dinh, PhD

Oak Ridge National Laboratory

High-impact Project

Nanoscale sensors for in vivo analysis of single cells to elucidate disease mechanism and cellular pathways.