

# IEM SEMINAR SERIES

**TUESDAY**  
**May 2<sup>nd</sup>, 2017**

## Translating Innovations in Regenerative Medicine



Institute for  
Engineering in Medicine

UNIVERSITY OF MINNESOTA

**Driven to Discover<sup>SM</sup>**

### Dr. Robert E. Guldberg

The Petit Director's Chair in Bioengineering and Bioscience  
Executive Director of the Parker H. Petit Institute for  
Bioengineering and Bioscience  
Professor of the George W. Woodruff School of  
Mechanical Engineering  
Georgia Institute of Technology



FREE event, no registration  
required.

Pizza and Beverages will be  
provided from 11:45 am

**12:00PM - 1:00PM**  
**Nils Hasselmo Hall**  
**Room 4-101**

For additional information on  
Dr. Guldberg's presentation  
please contact:  
[scot0353@umn.edu](mailto:scot0353@umn.edu)

The Institute for Engineering in Medicine (IEM) is pleased to announce a seminar by Dr. Robert E. Guldberg, "Translating Innovations in Regenerative Medicine."

Regenerative medicine is a rapidly emerging interdisciplinary field and class of therapies that combines stem cell biology, biomaterials, bioengineering, and clinical expertise to promote our body's innate ability to repair and regenerate damaged or diseased tissues and organs. Although significant technical, regulatory, and manufacturing challenges remain, regenerative medicine technologies have begun to be successfully translated into clinical therapies and commercial products. Prof. Guldberg will discuss emerging trends in regenerative medicine, including new initiatives in cell and tissue manufacturing, and recent examples of translational impact enabled by Georgia Tech's thriving innovation ecosystem.

Robert E. Guldberg is the Parker H. Petit Chair in Bioengineering and Bioscience. He is a Professor in the Georgia Institute of Technology's Woodruff School of Mechanical Engineering and Georgia Tech/Emory Department of Biomedical Engineering. Dr. Guldberg received all of his degrees from the University of Michigan in mechanical engineering and bioengineering and completed a post-doctoral fellowship in molecular biology. His research program is focused on musculoskeletal growth and development, regeneration of limb function following traumatic injury, degenerative diseases such as skeletal fragility and osteoarthritis, and novel orthopaedic devices. Dr. Guldberg has advised 50 post-doctoral fellows and graduate students over the past 20 years and published over 200 peer-reviewed papers and book chapters. In 2009, Dr. Guldberg was appointed Executive Director of the Petit Institute for Bioengineering and Bioscience (IBB). He serves on numerous advisory and editorial boards and has held several national leadership positions, including most recently President of the Americas Chapter of the Tissue Engineering and Regenerative Medicine International Society (TERMIS-AM). Dr. Guldberg is a Children's Healthcare of Atlanta research scholar and has been elected a Fellow of TERMIS, the American Society of Mechanical Engineers (ASME), and the American Institute for Medical and Biological Engineering (AIMBE).

For more information on the IEM Seminar Series, visit  
[www.iem/umn.edu/SeminarsLectures/Seminars\\_index.html](http://www.iem/umn.edu/SeminarsLectures/Seminars_index.html)

