PHFoundation

TECHNOLOGICAL INNOVATIONS IN HEALTH

SEMINAR SERIES

FRIDAY, AUGUST 25, 2017
201 GREAT LAKES RESEARCH CENTER
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Michigan Technological University
Biomedical Engineering

ROBERT E. GULDBERG

The Petit Director's Chair in Bioengineering and Bioscience
Executive Director, Parker H. Petit Institute for Bioengineering & Bioscience
Professor, Woodruff School of Mechanical Engineering, and Coulter Department of Biomedical Engineering, Georgia Institute of Technology

THE PETIT INSTITUTE FOR BIOENGINEERING AND BIOSCIENCE:
Promoting Interdisciplinary Research from Discovery to Translation

ABSTRACT:

The Petit Institute, founded in 1995, includes over 200 faculty members from 12 different academic units, and supports and staffs over $25 million research core facilities. The mission of the institute is to build a community across Georgia Tech and its partner institutions that catalyzes, cultivates, and deploys interdisciplinary research and education in bioengineering and the biosciences for economic and societal benefit. This intentionally broad mission is designed to enable both top down leadership of signature initiatives as well as provide a fertile innovation ecosystem to encourage faculty led efforts.

Dr. Guldberg will discuss the Petit Institute's programs and strategies to promote interdisciplinary collaborations and partnerships as well as specific examples of clinical and commercial translation of regenerative medicine and medical device technologies.

BIOGRAPHY:

Robert E. Guldberg received all of his degrees from the University of Michigan in mechanical engineering and bioengineering, and completed a postdoctoral 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. He has advised more than 50 postdoctoral fellows and graduate students over the past 20 years and published over 200 peer-reviewed papers and book chapters. He serves on numerous advisory and editorial boards and has held several national leadership positions, 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 an elected Fellow of TERMIS, as well as the American Society of Mechanical Engineers (ASME), and the American Institute for Medical and Biological Engineering (AIMBE).