

Research

Re-Engineering Life: Tissue Engineering in Health and the Environment

November 28, 2018 | 4-6 PM | Kilachand Center

Introductions:

Gloria Waters

Vice President and Associate Provost for Research

Thomas Bifano

Professor, Mechanical Engineering, Biomedical Engineering, and Materials Science & Engineering, ENG; and Director, Photonics Center

Research Presentations:

- **3D Culture Models of Physiology and Disease**
Christopher Chen, Professor, Biomedical Engineering and Materials Science & Engineering, ENG
- **Growth Factor Delivery Paradoxes for Tissue Engineering**
Michael Albro, Assistant Professor, Mechanical Engineering and Materials Science & Engineering, ENG
- **Human iPSC and Disease Modeling: The Power of Pluripotency**
Gustavo Mostoslavsky, Associate Professor, Medicine and Microbiology, MED
- **Understanding and Engineering the Notch Pathway: Applications in Tissue Engineering**
John Ngo, Assistant Professor, Biomedical Engineering, ENG
- **Quantifying and Controlling Cellular Signaling Underlying Tissue Repair**
Allyson Sgro, Assistant Professor, Biomedical Engineering, ENG
- **Microfluidic Vascularization**
Joe Tien, Associate Professor, Biomedical Engineering and Materials Science & Engineering, ENG
- **Biomaterials for Early Detection and Treatment of Disease**
Joyce Y. Wong, Professor, Biomedical Engineering and Materials Science & Engineering, ENG
- **Advanced Biocomputers for Tissue Engineering**
Wilson Wong, Assistant Professor, Biomedical Engineering, ENG
- **Multimodal Structural and Molecular Optical Imaging**
Ji Yi, Assistant Professor, Medicine, MED
- **Looking Inside the Blood Vessel Wall: Can We Really Mimic This?**
Katherine Zhang, Associate Professor, Mechanical Engineering, Biomedical Engineering, and Material Sciences & Engineering, ENG
- **Micro/Nanosystems for Cellular Inspection**
Xin Zhang, Professor, Mechanical Engineering, Electrical & Computer Engineering, Materials Science & Engineering, and Biomedical Engineering, ENG
- **Endogenous Tissue Engineering of Bone using Mechanical Cues**
Elise Morgan, Professor, Mechanical Engineering, Materials Science & Engineering, Biomedical Engineering, ENG
- **Induced Pluripotent Stem (iPS) Cells for Precision Medicine**
Darrell Kotton, Professor, David C. Seldin Professor of Medicine, MED, and Director, Center for Regenerative Medicine (CREM)

Thank you for your participation



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