



Drexel Immune Modulation and Engineering Symposium

The Immune Modulation and Engineering Symposium serves as the capstone event for the Immunomodulation Seminar Series hosted by Drexel's School of Biomedical Engineering, Science and Health Systems throughout the year to build a community among researchers across disciplines who study immunomodulation. The goal of this conference is to bring together leaders who are pioneering strategies to modulate the immune response to treat disease or promote tissue regeneration following injury.



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2019
INAUGURAL

Immune Modulation & Engineering Symposium

Drexel University, Philadelphia, PA

CONFERENCE CO-CHAIRS

Kara Spiller, Chris Rodell, and Yinghui Zhong | Drexel University

8:00 AM Check-in + Breakfast
@ The Study, 33rd and Chestnut Streets

8:55 AM Opening Remarks

9:00 AM Session 1

Christopher Rodell | Drexel University
"Tissue instructive materials: development and application of myeloid-targeted therapeutics"

Jordan Green | Johns Hopkins University
"Nanoimmunomaterials for immunoengineering and cancer therapy"

Jamal Lewis | University of California, Davis
"Engineering particulate-based systems to influence the immune system"

10:00 AM Panel Discussion

10:20 AM Coffee Break

10:40 AM Session 2

Dora Mitchell | Carisma Therapeutics
"New cells on the block: engineering macrophage therapies"

Susan Thomas | Georgia Institute of Technology
"Engineered biomaterials for lymphatic-directed immunotherapeutic drug delivery"

Michele Kutzler | Drexel University
"Next generation HIV-1 DNA vaccine strategies for prevention of HIV-1 infection"

11:40 AM Panel Discussion

12:00 Noon Lunch + Networking

You're Invited to Join Our Seminar Series!

In its first year, the **Immunomodulation Seminar Series** has been a collaborative effort spanning Drexel University's School of Biomedical Engineering, Science and Health Systems, College of Medicine, and College of Arts and Sciences. We have hosted speakers and attendees from the departments of Microbiology and Immunology, Pharmacology and Physiology, Biology, Infectious Diseases and HIV Medicine, Neurobiology and Anatomy, as well as industry and international institutions. We look forward to growing our community with this symposium and invite you to join our mailing list to be kept informed about our monthly seminar series in the coming year.

Please find the listserv mailing list signup sheet at the registration table.

1:30 PM Session 3

Christopher Jewell | Johns Hopkins University
"Harnessing biomaterials to study and control immune function"

Joel Collier | Duke University
"Active immunotherapies from supramolecular assemblies"

Matthew Wolf | Johns Hopkins University
"Cancer immunotherapy in the biomaterial microenvironment: the intersection of regenerative medicine and oncology"

2:30 PM Panel Discussion

2:50 PM Coffee Break

3:10 PM Session 4

Cherie Stabler | University of Florida
"Immunomodulation of pancreatic islet transplants for the treatment of type 1 diabetes"

Edward Botchwey | Georgia Institute of Technology
"Targeting lipid signaling pathways for regenerative immunotherapy"

Kaitlyn Sadtler | National Institutes of Health
"Molecular mechanisms of the foreign body response: from scars on our skin to the foreign body capsule"

4:10 PM Panel Discussion

4:30–6:30 PM Poster Session and Cocktail Reception
@ Bossone 3rd Floor Atrium, 32nd and Market Streets



Poster Session abstracts available
online at biomed.drexel.edu/imes
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