Draft Symposium Agenda
Updated March 15, 2020
*Note that all talk titles are tentative.*

**Day 1: Wednesday, November 11, 2020**
*Location: the Study Hotel, Philadelphia*

5:00- 7:00  Reception

**Day 2: Thursday, November 12, 2020**
*Location: The Study Hotel, Philadelphia*

8:00  Check-in + Breakfast

8:55  Opening Remarks

9:00-10:20  Session I: Cancer Immunotherapies I
  - **Plenary speaker:** Darrell Irvine, PhD – *Nanoparticle vaccine design principles* (Professor of Biological Engineering, MIT)
  - Zhen Gu, PhD – *Immune cells as drug delivery vehicles* (Professor of Bioengineering, UCLA)
  - Saar Gill, MD, PhD – *Engineering immune cells* (Assistant Professor of Medicine, University of Pennsylvania)

10:20-10:40  Panel Discussion

10:40-11:00  Break

11:00-12:00  Session II: Cancer Immunotherapies II
  - Michael J. Mitchell, PhD - *Biomaterials for vaccine-based cancer immunotherapy* (Assistant professor of Bioengineering, University of Pennsylvania)
  - Elizabeth Wayne, PhD – *Biomaterials targeting tumor-associated macrophages* (Assistant Professor of biomedical engineering, Carnegie Mellon University)

12:00-12:20  Panel Discussion

12:20-1:40  Lunch

1:40-3:00  Session III: Infectious Diseases and Vaccines
  - **Plenary speaker:** Ted M. Ross, PhD - *Consensus-based prophylactic approaches to effectively prevent influenza infections* (Director of the Center for Vaccines and Immunology and Georgia Research Alliance Eminent Scholar, Professor of Infectious Diseases, University of Georgia)
  - Drew Weissman, MD, PhD - *mRNA vaccines for Influenza, HSV* (Co-director, Penn Center for AIDS Research, Immunology Core, Univ. of Pennsylvania)
  - Ami Patel, PhD - *MERS vaccines* (Research assistant professor, Wistar Institute)

3:00-3:20  Panel discussion

3:20-3:40  Break

3:40-4:40  Session IV: Development of Immunotherapies
• Paula Oliver, PhD – *T cell activation in autoimmunity and allergy* (Co-chief, Division of Protective Immunity, Children’s Hospital of Philadelphia)
• Eric Appel, PhD – *Towards a universal flu vaccine* (Assistant Professor, Materials Science and Engineering, Stanford)
• Kristy Ainslie, PhD – *Immunomodulatory biomaterials to treat infectious and autoimmune disease* (Professor, School of Pharmacy, UNC Chapel Hill)

4:40-5:00  Panel Discussion
5:00-7:00  Poster session and reception

**Day 3: Friday, November 13, 2020**
Location: The Study Hotel, Philadelphia

8:00  Check-in + Breakfast
8:55  Opening Remarks

9:00-10:20  Session V: Regenerative Medicine
  • Plenary speaker: Jennifer Elisseeff, PhD – *Biomaterial-mediated control over immune cell interactions* (Professor of Biomedical Engineering, Johns Hopkins University)
  • Jonathan Epstein, PhD – *Targeting cardiac fibrosis with engineered T cells* (Professor of Cardiovascular Research, Perelman School of Medicine, UPenn)
  • Wendy Liu, PhD – *Controlling the inflammatory response to biomaterials* (Associate Professor of Biomedical Engineering, UC Irvine)

10:20-10:40  Panel discussion
10:40-11:00  Break

11:00-12:00  Session VI: Neuro-Immune Modulation
  • Lonnie Shea, PhD – *Redirecting immune cells for neuroimmunomodulation* (Professor of Biomedical Engineering, Univ. of Michigan)
  • Jae Lee, PhD – *Macrophage-fibroblast interactions following spinal cord injury* (Associate Professor of Neurological Surgery, The Miami Project to Cure Paralysis)
  • Yinghui Zhong, PhD – *Nanoparticles for neuro-immune modulation* (Associate Professor of Biomedical Engineering, Drexel University)

12:00-12:20  Panel discussion
12:20-1:40  Lunch

1:40-2:40  Session VI: Immune Tolerance
  • Elias Haddad, PhD – *Targeting follicular helper T cells for HIV vaccines* (Professor of Medicine, Drexel University)
  • Stefania Gallucci, MD – *Immunoregulatory DCs in Graft-versus-Host Disease* (Associate Professor of Microbiology and Immunology, Temple University)
  • Ben Keselowsky, PhD – *Immunotherapies to cure type 1 diabetes* (Professor of Biomedical Engineering, University of Florida)

2:40-3:00  Panel discussion
3:00-3:20  Break
  ▪  Edward M. Behrens, MD – Pathogenesis and treatment of cytokine storm syndromes. (Chief, Division of Rheumatology, Children’s Hospital of Philadelphia)
  ▪  Chengcheng Jin, PhD - Immune-microbiota interactions in lung cancer. (Assistant Professor, Department of Cancer Biology, Univ. of Pennsylvania)
  ▪  Alison Carey, MD - Lung transcriptional unresponsiveness and loss of early influenza virus control in infected neonates is prevented by intranasal Lactobacillus rhamnosus GG. (Associate professor of pediatrics, Drexel University College of Medicine, Christopher’s Hospital for Children).

4:20-4:40  Panel Discussion

4:40  Concluding Remarks