

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

- **Melody Smith, MD** - *Impact of intestinal microbiota on CAR-T patient outcomes* (Assistant Member, Memorial Sloan Kettering Cancer Center).
<https://www.mskcc.org/research/ski/labs/members/melody-smith>
- **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 I diabetes* (Professor of Biomedical Engineering, [University of Florida](#))

2:40-3:00 Panel discussion

3:00-3:20 Break

3:20-4:20

Session VII: Immune-microbiota interactions

- **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