

FASEB Catalyst CONFERENCES

Immune Repertoire Decoding

February 8-9, 2023

Conference Organizer:

Karsten Sauer, Vice President, Preclinical R&D, Cullinan Oncology, Cambridge, MA. Associate Professor (adjunct),
The Scripps Research Institute, La Jolla, CA
Michael Birnbaum, Associate Professor, MIT, Cambridge, MA

[Click here to register](#)

**Schedule subject to change. All speakers will present live. Recording will not be available after the meeting.*

Time (ET)	DAY 1 – Wednesday, February 8
1:00 pm – 1:10 pm	FASEB Welcome & Organizer Welcome
1:10 pm – 2:00 pm	Keynote Lecture: “Understanding Immunodominance in Antibody Responses” Stephen J. Elledge, Professor, Harvard Medical School and Brigham & Women’s Hospital, Boston, MA
2:00 pm – 3:00 pm	Session I Chair: Karsten Sauer
2:00 pm – 2:30 pm	CAR Libraries for Targeting Intracellular Tumor Antigens Mark Yarmarkovich, Assistant Professor, NYU School of Medicine, New York, NY
2:30 pm – 3:00 pm	High-dimensional and High-throughput Single T cell Profiling Ning Jenny Jiang, Associate Professor, University of Pennsylvania, Philadelphia, PA
3:00 pm – 3:30 pm	Break
3:30 pm – 4:30 pm	Session II Chair: Michael Birnbaum
3:30 pm – 4:00 pm	Decoding the Immune Synapse for Development of Immunotherapeutics and Diagnostics Anthony Coyle, President, R&D, Repertoire Immune Medicines, Cambridge, MA
4:00 pm – 4:30 pm	LIBRA-seq: The Magnet for Your Needle in a Haystack Ivelin Georgiev, Associate Professor, Vanderbilt University Medical Center, Nashville, TN
4:30 pm – 5:10 pm	Lightning Talks Moderator: Michael Birnbaum Presenters: 4 junior presenters will be selected from abstracts submitted by registered attendees. Talks will be 7 minutes plus 3 minutes discussion each.
5:10 pm – 5:15 pm	Organizer Wrap-up – Day 1

<https://www.faseb.org/meetings-and-events/catalyst-conference>

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Time (ET)	DAY 2 – Thursday, February 9
1:00 pm – 1:10 pm	Organizer Recap Day 1 & Kickoff Day 2
1:10 pm – 2:00 pm	Keynote Lecture: “Antigen-specific therapeutics: Broadening the Applicability of VSTs” Catherine Bollard, Director, Center for Cancer and Immunology and Program for Cell Enhancement and Technologies for Immunotherapy, Children’s National Hospital and George Washington University, Washington, DC
2:00 pm – 3:00 pm	Session III Chair: Karsten Sauer
2:00 pm – 2:30 pm	Immuno-STATs: TCR-selective Engagers of Tumor-specific T Cells Anish Suri, President and CSO, Cue Biopharma, Boston, MA
2:30 pm – 3:00 pm	A Genome-wide Perspective on the Repertoire of Tumor Antigens Claude Perreault, Principal Investigator, Institute for Research in Immunology and Cancer, and Professor, Université de Montréal, Montreal, Quebec, Canada
3:00 pm – 3:30 pm	Break
3:30 pm – 4:30 pm	Session IV Chair: Michael Birnbaum
3:30 pm – 4:00 pm	Opportunities to Expand the Success of Immunotherapy through pHLA Targeting Therapeutics Leah Sibener, Co-Founder and VP, Head of Therapeutic Discovery, 3T Biosciences, South San Francisco, CA
4:00 pm – 4:30 pm	Adaptive Human T Cell Responses to SARS CoV2 and Mpox Alessandro Sette, Professor and Member, La Jolla Institute for Immunology and UCSD School of Medicine, La Jolla, CA
4:30 pm – 5:00 pm	Using in Silico Methods to Accelerate Engineering in the ImmTAX Platform Paula Dobrinić, Senior Scientist - NGS, Protein Engineering, Immunocore, Milton Park, Abingdon, Oxfordshire, UK
5:00 pm – 5:55 pm	Virtual Roundtable Discussion “The Future of Immune Repertoire Decoding” Moderators: Karsten Sauer & Michael Birnbaum Panelists: Claude Perreault Alessandro Sette Anish Suri
5:55 pm – 6:00 pm	Organizer Closing Remarks