

The 59th Midwinter Conference of Immunologists at Asilomar



January 25 -28, 2020

Asilomar Conference Grounds, Pacific Grove, California

Christel Uittenbogaart, Executive Director

Roberta Meyers-Elliott, Treasurer

Sunny Shin and Dan Stetson

Chairpersons

The Dan H. Campbell Memorial Lecture

Saturday, January 25, 8:00 PM

The Chapel Auditorium

Lora Hooper

UT Southwestern Medical Center

Council Members

Montserrat Anguera
Gregory M. Barton
Anna Beaudin
Deepta Bhattacharya
Daniel J. Campbell
Michael P. Cancro
Rachel R. Caspi
Hilde Cheroutre
Shane Crotty
Jason D. Fontenot
Jessica Hamerman
Wendy L. Havran

Kristin A. Hogquist
Christopher Hunter
Mitchell Kronenberg
Matthew F. Krummel
Michael S. Kuhns
Terri Laufer
David B. Lewis
Joanna Maltbaek
Roberta Meyers-Elliott
Tomas Mustelin
Andrew Oberst
Marion Pepper

Roberta R. Pollock
Peter Savage
David W. Scott
Sunny Shin
Jenna M. Sullivan
Shannon J. Turley
Christel H. Uittenbogaart
David R. Webb
Steven F. Ziegler
Martha C. Zuniga

CONFERENCE SCHEDULE

All Sessions: The Chapel Auditorium

Saturday, January 25th

4:00 pm

Registration

8:00 pm

The Dan H. Campbell Memorial Lecture

9:00–11:00 pm

Reception in the Nautilus Room

Sunday, January 26th

8:30–12:00 Noon

Session I

Immunity at the Host-Pathogen Interface

4:00– 6:00 pm

Poster Session

Fred Farr Forum and Kiln Room

7:30–10:00 pm

Session II

Tissue Immunity and B Cells

10:00–11:00 pm

Reception

Fred Farr Forum and Kiln Room

Monday, January 27th

8:30 – 12:00 Noon

Session III

Innate Immunity: Activation & Effector Functions

4:00 – 6:00 PM

Oral Presentations

The Chapel Auditorium

7:30 – 10:00 PM

Session IV

Evolution & Intelligent Design in Immunity

10:00–11:00 PM

Reception

Fred Farr Forum and Kiln Room

Tuesday, January 28th

8:30–12:00 Noon

Session V

Lymphocyte Activation, Residence, Function

Saturday through Monday

Posters on Display

Fred Farr Forum and Kiln Room

CONFERENCE PROGRAM

SESSION I

Sunday Morning

8:30 AM to Noon

Immunity at the Host-Pathogen Interface

Speakers:

Jörn Coers, Duke University

“Recognition of cytosolic bacteria by guanylate binding proteins”

JoAnne Flynn, University of Pittsburgh

“The Path to Sterilizing Immunity against Tuberculosis”

Katrin Mayer-Barber, National Institutes of Health

“Granulocytes in host resistance to Tuberculosis”

Elina Zuniga, University of California, San Diego

“Adaptations During Long-Term (Host-Pathogen) Relationships”

Two short presentations chosen from abstracts

Sunday Afternoon
4:00 – 6:00 PM

POSTER SESSION and informal discussion groups.

SESSION II

Sunday Evening
7:30–10:00 PM

Tissue Immunity and B Cells

Speakers:

Frederick Alt, Harvard University
“The Fundamental Role of Chromatin Loop Extrusion in Antibody Diversification”

Sarah Gaffen, University of Pittsburgh
“At the Crossroads of IL-17 Signaling”

Ari Molofsky, University of California, San Francisco
“Defining Stromal Niches for Type 2 Lymphocytes”

Jakob von Moltke, University of Washington
“Intestinal Tuft Cells: Sentinels and Effectors of the Type 2 Immune Response”

SESSION III

Monday Morning
8:30-12:00 Noon

Innate Immunity: Activation & Effector Functions

Speakers:

Catherine Blish, Stanford University
“Tuning the Human Natural Killer Response”

Igor Brodsky, University of Pennsylvania
“Regulation of Cell Death and Lysis during Bacterial Infection”

Veit Hornung
“Inflammasome Signaling in the Human System”

Mary O’Riordan, University of Michigan
“Cellular Stress Pathways Shape Innate Anti-Microbial Defenses”

Two short presentations chosen from abstracts

Monday Afternoon
4:00 – 6:00 PM

ORAL POSTER PRESENTATIONS

SESSION IV

Monday Evening
7:30 -10:00 PM

Evolution & Intelligent Design in Immunity

Speakers:

Brenda Bass, University of Utah
“Divergent Roles of Dicer’s Helicase Domain in Antiviral Defense”

Nels Elde, University of Utah
“Visualizing Immune Responses in Zebrafish”

Neil King, University of Washington
“Immunomodulation through Computational Protein Design: Vaccines and Beyond”

Russell Vance, University of California, Berkeley
“How Anti-viral Responses go Wrong: Regulation of Type I Interferons during Tuberculosis”

SESSION V

Tuesday Morning
8:30-12:00 Noon

Lymphocyte Activation, Residence, Function

Speakers:

Jason Cyster, University of California, San Francisco
“Cues guiding B cell responses”

Ananda Goldrath, University of California, San Diego
“Transcriptional Programming of T Cell Tissue Residency”

Joan Goverman, University of Washington
“How Myelin-Specific CD8 T Cells Contribute to CNS Autoimmunity”

Terri Laufer, University of Pennsylvania
“An Intestinal Niche for Regulatory T Cells”