



FOCiS

Federation of Clinical Immunology Societies

Advanced Course in Basic & Clinical Immunology

February 4-7, 2024

Estancia La Jolla • La Jolla, California

Course Directors:



Shiv Pillai, MD, PhD
Ragon Institute of MGH,
MIT and Harvard



Terri Laufer, MD
University of
Pennsylvania

This course is supported by an educational grant from Grifols.

Agenda



All times are Pacific Standard Time (PST).

Sunday, February 4

5:00-7:00 pm **Registration and Welcome Reception** – Olive Lawn (*weather back-up location: Grande Room*)

All lectures take place in La Jolla Ballroom DE.

Monday, February 5

All times are Pacific Standard Time (PST).

7:00-8:30 am Continental Breakfast – La Jolla Foyer

8:30-9:00 am **Overview of the Immune System** – Shiv Pillai, MD, PhD, Ragon Institute of MGH, MIT, and Harvard

9:00-10:00 am **Innate Immunity (Molecules)** – Stephanie Eisenbarth, MD, PhD, Northwestern University

10:00-10:15 am Break

10:15-11:15 am **Innate Immunity (Cells)** – Stephanie Eisenbarth, MD, PhD, Northwestern University

11:15-11:30 am Break

11:30 am-12:30 pm **NK Cells** – Lewis Lanier, PhD, University of California, San Francisco

12:30-1:30 pm Lunch – Grande Room

1:30-2:30 pm **Antigen Presentation** – Kenneth Rock, MD, University of Massachusetts Medical School

2:30-2:45 pm Break

2:45-3:45 pm **T Cell Tolerance** – Mark Anderson, MD, PhD, University of California, San Francisco

3:45-4:00 pm Break

4:00-5:00 pm **Lymphocyte Activation** – Shiv Pillai, MD, PhD, Ragon Institute of MGH, MIT, and Harvard

5:00-6:00 pm **Reception** – Garden Courtyard (*weather back-up location: La Jolla Ballroom DE*)

Tuesday, February 6

7:00-8:30 am Continental Breakfast – La Jolla Foyer

8:30-9:30 am **CD4+ T Cell Subsets** – Andrew Lichtman, MD, PhD, Brigham and Women's Hospital

9:30-9:45 am Break

9:45-10:45 am **T-B Cell Collaboration** – Shiv Pillai, MD, PhD, Ragon Institute of MGH, MIT and Harvard

10:45-11:00 am Break

11:00 am-12:00 pm **Antibodies and Disease** – Shiv Pillai, MD, PhD, Ragon Institute of MGH, MIT and Harvard

12:00-1:00 pm Lunch – Grande Room

1:00-2:00 pm **Allergies** – Paul Bryce, PhD, FOCIS Education Committee

2:00-2:15 pm Break

2:15-3:15 pm **Mucosal Immunity** – Cathryn Nagler, PhD, University of Chicago

3:30-6:30 pm **BioLegend Visit & Reception** (*meet in the lobby at 3:30 pm for transportation to site*)

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7:00-9:00 pm Dinner – Grande Room

Wednesday, February 7

7:00-8:00 am	Continental Breakfast – La Jolla Foyer
8:00-9:00 am	Transplantation – Jonathan Maltzman, MD, PhD, Stanford University
9:00-9:15 am	Break
9:15-10:15 am	Primary Immunodeficiencies – Carrie Lucas, PhD, Yale University
10:15-10:30 am	Break
10:30-11:30 am	Cancer Immunity and Immunotherapy – Andrew Lichtman, MD, PhD, Brigham & Women's Hospital
11:30-11:45 am	Break
11:45 am-12:45 pm	Autoimmunity – Terri Laufer, MD, University of Pennsylvania
12:45 pm	Adjourn

Overall Learning Objectives

At the conclusion of this course, attendees will be able to:

- Discuss the fundamental mechanisms underlying protective immune responses and discuss the recent advances and emerging themes in immunology research, including tumor immunity and the immunology of COVID-19.
- Describe the fundamental mechanisms underlying immunologic disease and associate these mechanisms with strategies for therapeutic modulation of the immune system.
- Appreciate the basic immunological principles underlying biotherapeutics, recognize the commonality among diverse organ-specific disease states, and infer the mechanisms of therapeutic effect.
- Analyze the medical literature reporting immunologic advances pertinent to their patients, cite the rationale for use of new immunodiagnostic and immunotherapeutic modalities in their patients, and serve as thought leaders within their medical communities.

Faculty



Mark Anderson, MD, PhD
University of California,
San Francisco



Paul Bryce, PhD
FOCIS Education Committee



Stephanie Eisenbarth, MD, PhD
Northwestern University



Lewis Lanier, PhD
University of California,
San Francisco



Terri Laufer, MD
University of Pennsylvania



Andrew Lichtman, MD, PhD
Brigham & Women's Hospital



Carrie Lucas, PhD
Yale University



Jonathan Maltzman, MD, PhD
Stanford University



Cathryn Nagler, PhD
University of Chicago



Shiv Pillai, MD, PhD
Ragon Institute of MGH, MIT,
and Harvard



Kenneth Rock, MD
University of Massachusetts
Medical School



Faculty Disclosure

FOCIS requires resolution of all faculty conflicts of interest to ensure educational activities are free of commercial bias. The following faculty members have indicated that they have no relationship which, in the context of their presentation(s), could be perceived as a potential conflict of interest.

Mark Anderson
Paul Bryce
Stephanie Eisenbarth

Lewis Lanier
Terri Laufer
Andrew Lichtman

Carrie Lucas
Shiv Pillai
Kenneth Rock

The following faculty members have disclosed a financial interest/arrangement or affiliation with a commercial company that has provided products or services relating to their presentation(s) or commercial support for this educational activity. These individuals have attested that the disclosed relationships will not inappropriately affect their role in the educational activity.

Jonathan Maltzman: Qihan Biotech (Consultant / Advisor); Roche, Iconovir (Employee; spouse); Roche (Equity / Owner; spouse)

Cathryn Nagler: ClostraBio, Inc. (Co-founder and Scientific Advisor; Lecture Fees; Equity / Owner; Patents / Royalty)

Continuing Education Credit

A certificate of attendance will be available to participants upon completion of the course evaluation and post-test. Such certificates are useful for obtaining continuing education credit. Continuing medical education (CME) credit is not offered for this course.

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KEYNOTE SPEAKERS



Robert Montgomery, MD, PhD
NYU Langone
Transplant Institute



Megan Sykes, MD
Columbia University



Eran Elinav, MD, PhD
Weizmann Institute of Science



Aviv Regev, PhD
Genentech

June 18-21

