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Introduction to the Immune System

Lewis L. Lanier, University of California, San Francisco
Innate Immunity: Cells and Functions

Viviana P. Ferreira, University of Toledo College
of Medicine and Life Sciences
Complement

Helen S. Goodridge, Cedars-Sinai Medical Center
Pattern Recognition Receptors

Christine Moussion, Genentech, Inc.
*Dendritic Cells: The Bridge Between Innate and
Adaptive Immunity*

David Nemazee, Scripps Research
B Cell Development and Maturation

Lisa K. Denzin, Child Health Institute of New Jersey,
Rutgers
Antigen Processing and Presentation

Juan Carlos Zúñiga-Pflücker, University of Toronto
and Sunnybrook Research Institute
T Cell Development

John T. Chang, University of California, San Diego
Effector T Cell Differentiation and Response

Shane Crotty, La Jolla Institute for Immunology
B Cell Activation and Humoral Immunity

Qizhi Tang, University of California, San Francisco
T Cell Tolerance

Matthias G. von Herrath, La Jolla Institute
for Immunology
Autoimmunity

Lawrence Steinman, Stanford University
Neuroimmunology

Jacob von Moltke, University of Washington
Type 2 Immunity

Prosper N. Boyaka, The Ohio State University
Mucosal Immunology

Martin Prlic, Fred Hutchinson Cancer Research Center
Immunologic Memory

Stephen J. McSorley, University of California, Davis
Immunity to Bacterial Pathogens

Ilhem Messaoudi, University of Kentucky
Immunity to Viruses

Stephen L. Shiao, Cedars-Sinai Medical Center
Tumor Immunology

Jennifer M. Puck, University of California, San Francisco
Primary Immunodeficiency Disorders

Stephen De Rosa, Fred Hutchinson Cancer
Research Center
Vaccination

Andrew C. Chan, Genentech, Inc.
*Bench to Bedside to Bench: Current Issues
in Immunology*

Jonathan S. Maltzman, Stanford University
Solid Organ Transplantation

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Faculty

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Anatomy of the Immune Response

Jonathan C. Kagan, *Boston Children's Hospital, Harvard Medical School*
Innate Immunity: Pattern Recognition and Anti-microbial Mechanisms

Susan Carpenter, *University of California, Santa Cruz*
Innate Immunity: Gene Regulation

Wayne M. Yokoyama, *Washington University School of Medicine*
NK Cells—Their Receptors and Function in Health and Disease

Albert S. Bendelac, *University of Chicago*
Innate Immunity: Cellular Mechanisms

Claudia Jakubzick, *Geisel School of Medicine at Dartmouth*
Myeloid Cells in Immune Responses

Eugene M. Oltz, *The Ohio State University, Wexner School of Medicine*
The Generation and Modification of Lymphocyte Antigen Receptor Genes

Michael P. Cancro, *University of Pennsylvania Perelman School of Medicine*
B Cell Development

Avery August, *Cornell University*
T Cell Development

Kai W. Wucherpfennig, *Dana-Farber Cancer Institute, Harvard Medical School*
MHC-restricted Antigen Presentation to T Cells

Daniel D. Billadeau, *Mayo Clinic College of Medicine*
Signaling from Antigen Receptors

Stephen Jameson, *University of Minnesota Medical School*
T Cell Memory

Deepta Bhattacharya, *University of Arizona*
B Cell Memory

Michael C. Carroll, *Boston Children's Hospital, Harvard Medical School*
Molecular and Cellular Mediators of Inflammation

Alex K. Shalek, *MIT; Ragon Institute of MGH, MIT, and Harvard; Broad Institute of MIT and Harvard*
Single Cell RNA-seq Analysis

Cathryn Nagler, *University of Chicago*
Effect of the Microbiome on Immunity

Michael S. Diamond, *Washington University School of Medicine*
Immune Response to SARS-CoV-2

Vijay K. Kuchroo, *Brigham & Women's Hospital, Harvard Medical School*
T Cell Tolerance and Autoimmunity

Jonathan Kipnis, *Washington University School of Medicine*
Neuroimmunology

Robert D. Schreiber, *Washington University School of Medicine*
Tumor Immunology

Joanne L. Viney, *Seismic Therapeutics*
Immunotherapeutics

Michael J. Lenardo, *NIAID, NIH*
Redefining Human Immunology

Galit Alter, *Ragon Institute of MGH, MIT, and Harvard*
Vaccines

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B Cell Tolerance and Autoimmunity

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