• Perinodal Adipose Tissue in Immune Protection
• TCR Affinity during Acute and Chronic Infections
• Immune Complexes Boost Peptide Vaccines
• Role of CD8+ Follicular T Cells in Autoimmunity
• Microbiota Sensing by TLR1
• Review: Innate Nutritional Immunity
2018 Introductory Course in Immunology

July 10–15, 2018  UCLA Luskin Conference Center  Los Angeles, California

Director: Juan Carlos Zúñiga-Pflücker, Ph.D.
University of Toronto and Sunnybrook Research Institute

Don’t miss the most comprehensive introduction to immunology available!
This intensive two-part course, taught by world-renowned immunologists, provides a comprehensive overview of the basics of immunology. This course is for students new to the discipline or those seeking more information to complement general biology or science training. Part I (July 10–12) is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II (July 13–15) is a clinically oriented lecture series focusing on specialty areas.

Parts I and II may be taken independently at the discretion of the student.

Faculty

Juan Carlos Zúñiga-Pflücker, University of Toronto and Sunnybrook Research Institute
Introduction to the Immune System

Lewis L. Lanier, University of California, San Francisco
Innate Immunity: Introduction to the Cells

Deborah A. Fraser, California State University Long Beach
Complement

Helen S. Goodridge, Cedars-Sinai Medical Center
Innate Immunity: Introduction to Pattern Recognition and Intracellular Signaling

Julie M. Jameson, California State University San Marcos
Introduction to Adaptive Immunity

David Nemazee, The Scripps Research Institute
B Cell Development and Maturation

Nilabh Shastri, University of California, Berkeley
Antigen Processing and Presentation

Juan Carlos Zúñiga-Pflücker, University of Toronto and Sunnybrook Research Institute
MHC Restriction and Thymic Selection

Shannon J. Turley, Genentech, Inc.
Dendritic Cells: The Bridge Between Innate and Adaptive Immunity

Michael Croft, La Jolla Institute for Allergy and Immunology
Effector T Cell Differentiation and Response

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

M. Carrie Miceli, University of California Los Angeles
Signaling in the Immune System

Stephen M. Hedrick, University of California, San Diego
Host-Pathogen Co-evolution in Human Beings: the Red Queen and the Grim Reaper

Lisa Osborne, University of British Columbia
Cytokines

Megan K. Levings, University of British Columbia
T and B Cell Tolerance

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

Jonathan S. Maltzman, Stanford University
Solid Organ Transplantation

Peter B. Ernst, University of California, San Diego
Mucosal Immunology

Marion Pepper, University of Washington
Type 2 Immunity

Martin Prlic, Fred Hutchinson Cancer Research Center
Immunologic Memory

Robert L. Modlin, University of California, Los Angeles
David Geffen School of Medicine
Immunity to Bacterial Pathogens

Elina Zuniga, University of California, San Diego
Immunity to Viruses

Antoni Ribas, University of California, Los Angeles
Tumor Immunology

Jennifer Puck, University of California, San Francisco
Genetic Approaches to Immune-Mediated Diseases

Nicole Frahm, Fred Hutchinson Cancer Research Center
Vaccination

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

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