Clonal Deletion: The Big Picture

Promising New RSV Vaccine Candidate

Role for CD82 in *Candida* Infection

A Microbial Twist in Macrophages

Review: Intracellular ROS in Neutrophils
2019 Introductory Course in Immunology

July 9–14, 2019 | UCLA Luskin Conference Center | Los Angeles, California

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

Helen S. Goodridge, Ph.D.
Cedars-Sinai Medical Center

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 9–11) is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II (July 12–14) 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

Wendy L. Havran, The Scripps Research Institute
Introduction to Adaptive Immunity

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

Nilabh Shastri, Johns Hopkins University
Antigen Processing and Presentation

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

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

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

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

Ronald N. Germain, NIAID, NIH
Orchestrating the Immune Response

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

Ninan Abraham, 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 Immunology
Autoimmunity

Jonathan S. Maltzman, Stanford University
Solid Organ Transplantation

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

Steven F. Ziegler, Benaroya Research Institute
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

Ilhem Messaoudi, University of California, Irvine
Immunity to Viruses

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

Donald B. Kohn, University of California, Los Angeles
Genetic Approaches to Immune-Mediated Diseases

Stephen De Rosa, Fred Hutchinson Cancer Research Center
Vaccination

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

For complete course details and registration, visit www.aai.org/Education/Courses
For assistance, contact (301) 634-7178 or meetings@aai.org. Overseas applicants are advised to apply early for visas; for details, see Visa Information at www.aai.org/Education/Courses/Introductory.
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This fellowship program provides one year of salary support to postdoctoral fellows who have taken a leave of absence of one year or more due to military obligations, personal or family medical leave, or other related family circumstances. These reasons may include recovering from a serious illness; providing elder or child care; fulfilling a military obligation; or relocating due to a spousal career transition.

Eligibility
- An applicant must have a tentative written offer of appointment as a postdoctoral fellow.
- The fellowship must be in immunology or a related field.
Award consideration is based on a combination of the merit of the research project, quality of the training environment, research and career accomplishments, and career potential.

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APPLICATIONS CLOSE SEPTEMBER 3

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Direct inquiries to fellowships@aai.org
Fellowship Overview
Recognizing the vital role cross-trained scientists play in furthering immunology research, this fellowship program is intended to promote understanding and communication between immunology researchers and computational scientists. A PI may apply for a one-year fellowship which will support a postdoctoral fellow trained in basic bench research to train in computational science, or a postdoctoral fellow in computational science to train in an immunology research lab to learn basic immunological principles and laboratory techniques. Reciprocal 6-month exchanges between labs will also be considered.

Eligibility
One of the collaborating PIs must be an AAI member in good standing. If the PI is a research immunologist, he/she must be independent. Applicants may request salary support for a maximum of one postdoctoral fellow for one year, or two postdocs for six months each.

Trainees must be in years 1–5 of postdoctoral training in the physical/mathematical/computational sciences, immunology, or related fields. Postdoctoral fellows who have completed five years of training and transitioned into a second postdoctoral position will be considered on a case by case basis.

Review Process
Award consideration is based on a combination of the qualifications of the applicant, the merit of the PI’s proposed project, potential of the trainee, and the quality of the training environment.

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