The American Association of Immunologists

2006 Introductory Course in Immunology

at the

University of Pennsylvania • Philadelphia, PA • June 23-29, 2006

Course Co-Directors: Terri Laufer, MD, University of Pennsylvania; John Monroe, PhD, University of Pennsylvania

A comprehensive introduction to the basic principles of immunology offered by outstanding faculty in a two-part course. Suitable for students with a general biology background. Part I (June 24-26) covers the basic biology of the immune system. Part II (June 27-29) is a lecture series covering specific disciplines of immunology and emphasizing clinical relevance. Part II requires an understanding of basic immunology. Parts I and II may be taken separately at the discretion of the student. Course registration check-in starts June 23rd. The first lecture will start the morning of June 24th. 38 hours of CME will be offered.

APPLICATIONS MUST BE RECEIVED BY JUNE 2, 2006
Attendance is limited to 220 registrants.

The American Association of Immunologists

2006 Advanced Course in Immunology

at

Stanford University • Stanford, California • July 15-21, 2006

Course Director: Olivia M. Martinez, PhD, Stanford University

An intensive course designed for serious students of immunology. Leading experts will present recent advances in understanding the biology of the immune system and its role in health and disease. This course is directed toward advanced trainees and scientists who wish to expand or update their understanding of the field. This is not an introductory course; attendees are required to have a firm understanding of the principles of immunology. Course registration check-in starts on July 15th; the first lecture will be that evening. 43 hours of CME will be offered.

APPLICATIONS MUST BE RECEIVED BY JUNE 2, 2006
Attendance is limited to 220 registrants.

FOR INFORMATION, COURSE OUTLINES, AND REGISTRATION, VISIT:
www.aai.org/Courses.htm

For questions or assistance in registering contact aaioffice@aai.org or 301-634-7178.
Overseas applicants are advised to apply early for visas.
The American Association of Immunologists gratefully acknowledges the generous support of its IMMUNOLOGY 2006 annual meeting activities through unrestricted educational grants from the following sponsors:

**BD Biosciences** — La Jolla, CA
- IMMUNOLOGY 2006 Meeting Bags
- AAI Gala
- AAI President’s Reception
- AAI-BD Biosciences Investigator Award and Lecture

**Bristol-Myers Squibb** — Princeton, NJ
- General Sponsorship

**Cadmus Professional Communications** — Richmond, VA
- *The Journal of Immunology* Editorial Board Dinner and Meeting

**Dana Foundation** — New York, NY
- AAI-Dana Foundation Award in Human Immunology Research

**eBioscience, Inc.** — San Diego, CA
- Cynthia Chambers Memorial-eBioscience Junior Faculty Award

**FASEB Career Resources/NIGMS MARC Program** — Bethesda, MD
- AAI Minority Scientist Travel Awards
- AAI Minority Scientist Trainee–Mentor Program
- AAI Minority Affairs Committee Workshop
- AAI Minority Affairs Committee Guest Lecture

**Gemini Science, Inc.** — San Diego, CA
- Major Symposium C: *Innate and Adaptive Recognition of Bacteria*

**Genentech, Inc.** — San Francisco, CA
- AAI Distinguished Lecture Series

**Huang Foundation** — Rancho Santa Fe, CA
- AAI-Huang Foundation Meritorious Career Award
- AAI-Huang Foundation Trainee Achievement Awards

**National Institutes of Health** — Bethesda, MD
- National Institute on Aging - Special Symposium
- National Institute of Allergy and Infectious Diseases - Special Symposium
- National Cancer Institute - Special Symposium

**Henry J. Showell** — Westbrook, CT
- Pfizer-Showell Travel Award
2006 AAI Award Recipients
The American Association of Immunologists congratulates the following distinguished members on their selection as AAI Award Recipients for 2006.

**AAI Lifetime Achievement Award**

Hugh O. McDevitt, M.D., Stanford University School of Medicine

In recognition of distinguished scientific accomplishment and extraordinary service to the AAI

**AAI Distinguished Service Award**

Leslie J. Berg, Ph.D., University of Massachusetts Medical School

For dedicated leadership as the Chair of the AAI Program Committee (2003-2006)

**AAI Excellence in Mentoring Award**

Norman R. Klinman, M.D., Ph.D., The Scripps Research Institute

In recognition of exemplary career contributions to a future generation of scientists

**AAI-Dana Foundation Award in Human Immunology Research**

Max D. Cooper, M.D., University of Alabama, Birmingham, School of Medicine

For a record of significant achievement and sustained accomplishment in immunology research pertinent to human disease pathogenesis, prevention, and therapy

**AAI-Huang Foundation Meritorious Career Award**

Laurie H. Glimcher, M.D., Harvard Medical School, Harvard School of Public Health

For a career of sustained achievement and contribution to the field of immunology

**AAI-BD Biosciences Investigator Award**

Ruslan Medzhitov, Ph.D., HHMI-Yale University School of Medicine

For outstanding, early-career research contributions to the field of immunology

The 2006 AAI Awards will be conferred at IMMUNOLOGY 2006, The AAI Annual Meeting, May 12-16, 2006, in Boston, MA.
The American Association of Immunologists gratefully acknowledges **BD Biosciences** for its generous support of the AAI Annual Meeting, *IMMUNOLOGY 2006*, May 12-16, in Boston, Massachusetts.

The following were made possible through unrestricted educational grants from **BD Biosciences**

* **IMMUNOLOGY 2006 Meeting Bags**
* **AAI Gala**
* **AAI President’s Reception**
* **AAI-BD Biosciences Investigator Award and Lecture**
This 38-hour, two-part course will give students the tools necessary to understand and discuss current topics and methods in the field of Immunology. Part I (June 24-26) is a comprehensive introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II (June 26-29) is a lecture course covering major areas of immunology and will require an understanding of basic immunology. Parts I and II may be taken independently at the discretion of the student. 38 Continuing Medical Education (CME) Category I credits are offered.* Minority Access to Research Careers (MARC) travel awards are available. Registration Deadline: June 2, 2006.

Course Directors: Terri M. Laufer, M.D., and John G. Monroe, Ph.D., University of Pennsylvania School of Medicine

Part I: June 24-26
- **John Monroe**, Univ Penn Sch Med
  - Overview
- **Kathleen Sullivan**, Children’s Hosp of Philadelphia
  - Innate immune systems
- **Jennifer Punt**, Haverford Col
  - Adaptive immune system and memory
- **John Monroe**, Univ Penn Sch Med
  - Molecular basis of diversity and antibody formation
- **David Allman**, Univ Penn Sch Med
  - B cell development
- **Terri Laufer**, Univ Penn Sch Med
  - Introduction to the MHC

Part II: June 27-29
- **Andrew Caton**, Wistar Institute
  - T and B cell tolerance
- **Randolph Noelle**, Dartmouth Med Col
  - Lymphocyte activation and effector responses
- **Cathryn Nagler**, Mass Gen Hospital
  - Mucosal immunology
- **Betty Diamond**, Columbia Univ Med Ctr
  - From autoimmunity to autoimmune disease
- **Phillip Scott**, Univ Penn Sch Vet Med
  - Immunity to parasites
- **George Yap**, Brown Univ
  - Intracellular infections and infectious disease
- **Joel Ernst**, NYU Sch Med
  - Immunity to bacterial infections
- **Mickey Marks**, Univ Penn Sch Med
  - Antigen processing and presentation
- **Alfred Singer**, NCI, NIH
  - T cell development
- **Gary Koretzky**, Univ Penn Sch Med
  - Antigen receptor proximal signaling
- **Laurence Turka**, Univ Penn Sch Med
  - B and T cell activation and co-stimulation
- **Craig Thompson**, Univ Penn Sch Med
  - Lymphocyte homeostasis and apoptosis
- **Marc Jenkins**, Univ Minn Sch Med
  - Visualization of immune response: putting back the pieces

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* This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Federation of American Societies for Experimental Biology (FASEB) and the AAI. FASEB is accredited by the ACCME to provide CME for physicians. FASEB designates this educational activity for up to 38 credit hours in category 1 credit towards the AMA Physician’s Recognition Award.
Pfizer-Showell Junior Faculty Award

Joanne Turner, Ph.D.
Assistant Professor
Ohio State University
Columbus, OH

Cynthia Chambers Memorial-eBioscience Junior Faculty Award

Barbara L. Kee, Ph.D.
Assistant Professor
University of Chicago
Chicago, IL

AAI-Huang Foundation Trainee Achievement Award

Maria Guerrero-Plata, Ph.D.
Postdoctoral Research Fellow
University of Texas Galveston
Galveston, TX

Katrina K. Hoyer, Ph.D.
Postdoctoral Research Fellow
University of California San Francisco
San Francisco, CA

Matthias Hundt, M.D., Ph.D.
Postdoctoral Research Fellow
La Jolla Institute for Allergy & Immunology
La Jolla, CA

Jennifer Kanter
Ph.D. Candidate
Stanford University
Palo Alto, CA

Lisa K. McNeil, Ph.D.
Postdoctoral Research Fellow
University of Minnesota
Minneapolis, MN

Stephen N. Waggoner
Graduate Student
University of Virginia
Charlottesville, VA
This intensive annual course is designed for serious students of immunology. Leading experts will present recent advances in understanding the biology of the immune system and its role in health and disease. This course is directed toward advanced trainees and scientists who wish to expand or update their understanding of the field. This is not a survey course and requires that attendees have a firm understanding of the principles of immunology. 43 Continuing Medical Education (CME) Category I credits are offered.* Minority Access to Research Careers (MARC) travel awards are available. Registration Deadline: June 2, 2006.

Course Director: Olivia Martinez, Stanford University School of Medicine, Palo Alto, CA

FACULTY

- Mitch Kronenberg, La Jolla Inst for Allergy and Immunology
  * Innate immunity
- Lewis Lanier, Univ of Cal, San Francisco
  * NK cells
- Gwendalyn Randolph, Mt. Sinai Med Ctr
  * Dendritic cells
- Nilabh Shastri, Univ of Cal, Berkeley
  * Antigen presentation and processing I
- Peter Jensen, Univ of Cal, San Fran
  * Antigen presentation and processing II
- Ellen Rothenberg, Cal Inst of Tech
  * T cell development
- Ann Feeney, Scripps Res Inst
  * B cell development
- Chris Garcia, Stanford Univ Sch Med
  * Structural basis of immune recognition
- Mark Davis, Stanford Univ Sch Med
  * T cell antigen recognition
- Andrew Chan, Genentech, Inc.
  * Signal transduction
- Fred Ramsdell, Zymogenetics, Inc.
  * T regulatory cells
- Jason Cyster, Univ of Cal, San Francisco
  * B cell activation and tolerance
- Michael Croft, La Jolla Inst for Allergy & Immunology
  * Co-stimulatory molecules
- Charles Surh, Scripps Res Inst
  * Memory and homeostasis
- Carl Ware, La Jolla Inst for Allergy & Immunology
  * Mediators of the immune response
- Phillip Scott, Univ of Penn
  * T cell response to pathogens
- William Robinson, Stanford Univ Sch Med
  * Autoimmunity
- Phillip Greenberg, Univ of Washington
  * Tumor Immunology
- Olivia Martinez, Stanford Univ Sch Med
  * Transplantation immunology

KEYNOTE SPEAKER

Art Weiss, Univ of Cal, San Francisco
* T cell receptor signaling

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The systems biology approach to basic and clinical immunology and the study of genome and proteome roles in immune responses define the latest trends in immunology. The systemic approach combines immunology, clinics, molecular biology, instrumentation, and bioinformatics. We invite scientists, clinicians, engineers, and bioinformaticians to meet and help shape the future of immunology at the BCII’2006.

The concept is based on the triad of GENOMIC RESEARCH, CLINICS AND INFORMATICS in IMMUNOLOGY

Topics:

- Gene networks and systems biology in immunity
- Systems modelling, computational immunology
- Artificial immune systems and other biologically-inspired paradigms
- Immune databases and database tools
- Intelligent vaccine design
- Immuno-gene therapy
- Genetic redirection of lymphocyte function
- Pharmacogenomics and drug development in immune diseases
- Deciphering immune intracellular signalling pathways
- Oncogenomics, antitumor immunome
- Autoimmunity, autoimmune immunome
- Pathogen analysis, infection genomics and prediction of immune-pathogen interactions
- Allergy genomics, allergome (allergen immunome)
- Mast cell and basophil genomics (immune-cellome)
- Neuro-immuno genomics
- Inflammation genomics

Plenary lectures, symposia, satellites, tutorials, posters

www.bcii2006.org

Andras Falus
Professor
Budapest, Hungary

Vladimir Brusic
Professor
Brisbane, Australia