Buy two recombinant proteins and get an additional protein free for a limited time on any of our popular items listed below. Visit www.cellsiences.com for details.

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<th>Recombinant mouse proteins</th>
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This intensive two-part course, taught by world-renowned immunologists, provides an 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 (June 26 - 28)** is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. **Part II (June 29 - July 1)** 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**

- **Terri M. Laufer**, University of Pennsylvania School of Medicine
  - *Welcome and Introduction to the Immune System*
- **Sara Cherry**, University of Pennsylvania School of Medicine
  - *Introduction to Innate Immunity*
- **Judith A. Owen**, Haverford College
  - *Introduction to Adaptive Immunity*
- **Michael P. Cancro**, University of Pennsylvania School of Medicine
  - *Clonal Selection and V(D)J Recombination (B Cell Centric)*
- **David M. Allman**, University of Pennsylvania School of Medicine
  - *B Cell Activation and Memory Formation*
- **Terri M. Laufer**, University of Pennsylvania School of Medicine
  - *MIC Restriction and Thymic Selection*
- **Laurence C. Eisenlohr**, Jefferson Medical College
  - *Antigen Processing and Presentation*
- **Julie Magarian Blander**, Mount Sinai School of Medicine
  - *Dendritic Cells: The Bridge Between Innate and Adaptive Immunity*
- **Gary A. Koretzky**, University of Pennsylvania School of Medicine
  - *Signaling in the Immune System*
- **Christopher A. Hunter**, University of Pennsylvania School of Veterinary Medicine
  - *Cytokines*
- **Michael P. Cancro**, University of Pennsylvania School of Medicine
  - *Lymphocyte Homeostasis*
- **Ronald N. Germain**, NIAID, NIH
  - *Dynamic Intravital Imaging of the Immune System - Replacing Cartoons with Movies of the Real Thing*
- **Andrew J. Caton**, The Wistar Institute
  - *T and B Cell Tolerance*
- **Juan J. Lafaille**, New York University School of Medicine
  - *Autoimmunity*
- **David Artis**, University of Pennsylvania School of Veterinary Medicine
  - *Mucosal Immunology*
- **Achshah D. Keegan**, University of Maryland School of Medicine
  - *Type 2 Immune Responses and Asthma*
- **Robert H. Vonderheide**, University of Pennsylvania School of Medicine
  - *Tumor Immunology*
- **Padmini Salgame**, University of Medicine and Dentistry of New Jersey
  - *Immunity to Bacterial Pathogens*
- **E. John Wherry**, The Wistar Institute
  - *Immunologic Memory to Intracellular Pathogens*
- **Phillip A. Scott**, University of Pennsylvania School of Veterinary Medicine
  - *Immunity to Eukaryotic Parasites*
- **David B. Weiner**, University of Pennsylvania School of Medicine
  - *Immunizations*
- **Wayne W. Hancock**, Children’s Hospital of Philadelphia
  - *Immunotherapies: From Lab to Clinic*
- **Donata Vercelli**, University of Arizona College of Medicine
  - *Genetic Approaches to Immune-Mediated Diseases*
- **Jordan S. Orange**, Children’s Hospital of Philadelphia
  - *Primary Immunodeficiencies*
- **Susan B. Dillon**, Centocor, Inc.
  - *Immunologic Memory to Intracellular Pathogens*
  - *Primary Immunodeficiencies*

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Don’t miss the premier course in immunology for research scientists!

This intensive course is directed toward advanced trainees and scientists who wish to expand or update their understanding of the field. Leading experts will present recent advances in the biology of the immune system and address its role in health and disease. This is not an introductory course; attendees will need to have a firm understanding of the principles of immunology.

Faculty

- **Yoji Shimizu**, University of Minnesota Center for Immunology
  *Welcome and Overview of the Course*

- **Marc K. Jenkins**, University of Minnesota Center for Immunology
  *Anatomy of the Immune System*

- **Stefanie N. Vogel**, University of Maryland, Baltimore
  *Innate Immunity*

- **Jeffrey S. Miller**, University of Minnesota Center for Immunology
  *NK Cells in Innate Immune Defense*

- **Andrea J. Tenner**, University of California, Irvine
  *The Complement Cascade*

- **Gwendalyn J. Randolph**, Mount Sinai School of Medicine
  *Integration of Innate and Adaptive Immunity: The DC*

- **Barry P. Sleckman**, Washington University School of Medicine
  *The Generation and Modification of Lymphocyte Antigen Receptor Genes*

- **Michael A. Farrar**, University of Minnesota Center for Immunology
  *B Cell Development*

- **Kristin A. Hogquist**, University of Minnesota Center for Immunology
  *T Cell Development*

- **David Masopust**, University of Minnesota Center for Immunology
  *Mucosal Immunity*

- **Andrea J. Sant**, University of Rochester Medical Center
  *MHC-Restricted Antigen Presentation to T Cells*

- **Stephen C. Jameson**, University of Minnesota Center for Immunology
  *Lymphocyte Memory*

- **Christopher A. Hunter**, University of Pennsylvania School of Veterinary Medicine
  *Immune Response to Pathogens*

- **Yoji Shimizu**, University of Minnesota Center for Immunology
  *T Cell Tolerance and Autoimmunity*

- **Bryce A. Binstead**, University of Minnesota Center for Immunology
  *B Cell Tolerance and Autoimmunity*

- **Daniel D. Billadeau**, Mayo Clinic College of Medicine
  *Immune Receptor Signaling*

- **Anita S. Chong**, University of Chicago
  *Immunobiology of Transplantation*

- **Hirohito Kita**, Mayo Clinic College of Medicine
  *Asthma and Allergy*

- **Matthew F. Mescher**, University of Minnesota Center for Immunology
  *Tumor Immunology*

- **Joanne L. Viney**, Amgen, Inc.
  *Immunotherapeutics*

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*For assistance, contact Kira Gantt at kgantt@aai.org or call (301) 634-7818.

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The American Association of Immunologists proudly announces the 2010 recipients of AAI Awards for outstanding research and career achievements. The 2010 AAI Award winners will be recognized at the 97th AAI Annual Meeting, IMMUNOLOGY 2010™

AAI LIFETIME ACHIEVEMENT AWARD
In recognition of distinguished scientific accomplishment and extraordinary service to AAI

Susan L. Swain, Ph.D.
The Trudeau Institute

Dr. Swain’s distinguished career exemplifies the dedication to science and service that the AAI Lifetime Achievement Award honors. She has dedicated her scientific career to elucidating the mechanisms of immune recognition, viral immunity, and aging while also providing tireless service to her colleagues and community. Dr. Swain served as President of The Trudeau Institute from 1996 to 2007. Under her leadership, The Trudeau Institute gained international recognition as a leading research center. An AAI member since 1977, she has served on numerous AAI committees. She was elected to the AAI Council in 1999 and served as President and Past President, 2004–2006. Dr. Swain has served the immunology community as a reviewer, Section Editor and Deputy Editor for The Journal of Immunology. Dr. Swain is a scientist scholar who has used her experience and accomplishments to lead the field.

AAI EXCELLENCE IN MENTORING AWARD
In recognition of exemplary career contributions to a future generation of scientists

Jack L. Strominger, M.D.
Dana-Farber Cancer Institute
Harvard Medical School

Dr. Strominger is renowned in the research community for his scientific accomplishments, but an equally enduring legacy is the cadre of trainees he has mentored. Dr. Strominger has trained over 150 scientists, many of whom are among today’s leading immunologists. His rigorous scientific standards—coupled with allowing his trainees exceptional freedom—created an extraordinary environment for producing successful scientists who are now, in turn, mentoring the next generation.

AAI-INVITROGEN MERITORIOUS CAREER AWARD
For outstanding research contributions to the field of immunology

Dan R. Littman, M.D., Ph.D.
HHMI, New York University School of Medicine

Without Dr. Littman’s work, the field of immunology would look very different. During his postdoctoral fellowship, his work was instrumental in the cloning of CD4 and CD8. In the laboratory of Art Weiss, he conducted research that led to identification of γδ T cells. He continued a career that has included elucidating the intricacies of the CD4 and CD8 T cell lineage determination in the thymus, identifying the receptors HIV uses to enter T cells and macrophages, describing the function of PKCθ in T cell activation, and more recently identifying RORγt as a master regulator of TH17 development. Dr. Littman has identified and defined critical areas of immunology that have been major advances in the field.
AAI AWARD FOR HUMAN IMMUNOLOGY RESEARCH

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

Raif S. Geha, M.D.
Children’s Hospital Boston
Harvard Medical School

This award recognizes Dr. Geha for his pioneering research on primary immunodeficiencies, as well as his keen diagnostic abilities. Dr. Geha identified that CD40 ligation is necessary to cause isotype switching in human B cells and, following this finding, discovered that defective CD40 ligation is the cause of X-linked Hyper IgM Syndrome. His laboratory also identified some of the key underlying genetics of Wiskott Aldrich Syndrome. Additionally, he developed the first model of atopic dermatitis in mice, described SLP-76 deficiency as a cause of severe combined immunodeficiency in mice, and identified mutations in the TACI gene as being responsible for causing common variable immunodeficiency and IgA deficiency. Dr. Geha’s contributions have been critically important in elucidating mechanisms of immune deficiency and advancing therapies.

AAI Distinguished Service Award

For dedication and exemplary service to the AAI Minority Affairs Committee

Gerald Sonnenfeld, Ph.D.
Binghamton University
State University of New York

Randy R. Brutkiewicz, Ph.D.
Indiana University School of Medicine

AAI is honoring Drs. Sonnenfeld and Brutkiewicz for their exemplary leadership of the AAI Minority Affairs Committee, 2002–2005 and 2005–2009, respectively. As chair in 2002, Dr. Sonnenfeld energized the committee and established new programs for the AAI. Committee member Dr. Brutkiewicz then took up the charge as chair after Dr. Sonnenfeld’s term ended and continued advancing the committee’s deep commitment to increasing the diversity of scientists in the field of immunology. For their leadership and service to the AAI community and the scientific field at large, AAI is pleased to present them with the 2010 Distinguished Service Award.

AAI-BD Biosciences Investigator Award

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

Gregory M. Barton, Ph.D.
University of California, Berkeley

Dr. Barton has defined major areas of innate immunity, specifically in Toll-like receptor signaling. He has developed new and innovative techniques, such as retroviral transduction of siRNA, that may well revolutionize the experimental methods used in immunology. Dr. Barton’s ability to integrate diverse ideas and experimental approaches to answer fundamental questions promises to enrich the field of immunology.
2010 TRAINEE AND JUNIOR FACULTY AWARDS

PFIZER-SHOWELL TRAVEL AWARD
To recognize the professional promise of an early-career investigator
Support for this award is generously provided through an endowment from Henry J. Showell

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University of Texas MD Anderson Cancer Center

CYNTHIA CHAMBERS MEMORIAL-EBIOSCIENCE JUNIOR FACULTY AWARD
To advance the careers of junior scientists who attend the AAI Annual Meeting for the purpose of presenting immunology research specifically in the area of cancer biology
Support for this award is generously provided through an endowment from eBioscience, Inc.

2010 RECIPIENT
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AAI-INFITROGEN TRAINEE ACHIEVEMENT AWARDS
To recognize promising trainees in the field of immunology
Support for these awards has been generously provided by Invitrogen Corporation

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Oyana Griffith, Graduate Student
Boston University School of Medicine
Abdel Hamad, Ph.D., Assistant Professor
Johns Hopkins University School of Medicine

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