

## CONTINUING MEDICAL EDUCATION (CME)

The Federation of American Societies for Experimental Biology is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians. This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of The Federation of American Societies for Experimental Biology and The American Association of Immunologists.

Category I Continuing Medical Education (CME) credits toward the American Medical Association Physician's Recognition Award will be offered at this meeting. CME application forms will be available in The American Association of Immunologist's office and at the meeting. There is a \$35 application fee, payable upon submission of the form after completion of the course. For more information, please contact the FASEB Office of Scientific Meetings and Conferences at telephone (301) 530-7010, fax (301) 530-7014, e-mail [mcgovern@faseb.org](mailto:mcgovern@faseb.org)

### Meeting Objective/Target Audience

At the completion of this course, participants should be able to: 1) discuss the research underway and/or the current topics relevant to their areas of interest in immunology; 2) demonstrate a gained level of insight into the methods being used by researchers and practitioners in this field; and 3) more fluently discuss areas of interest and interact with speakers and instructors. This meeting is targeted to clinical practitioners, research scientists, and biomedical education professionals.

## PROGRAM

### The American Association of Immunologists



### Introductory Course in Immunology

at Tufts University

June 22-29, 2002

*under the auspices of the  
AAI Education Committee:*

*Leslie J. Berg, Chair  
Marc K. Jenkins  
Jill Marie Manske  
Elizabeth D. Mellins  
Judith A. Owen  
Mark Schlissel  
John R. Schreiber  
Ronald H. Stevens  
Nancy E. Street*

**For more information or to register, go to  
[www.aai.org](http://www.aai.org) or phone 301-530-7178**

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### PART I

#### Saturday, June 22

2:00-5:00pm Check-in

#### Dinner (5:00-6:30pm)

#### Session I (6:30-9:30pm) [Break 7:50-8:10pm]

- ◆ **Leslie Berg**, University of Massachusetts  
*Introduction*
- ◆ **Ron Germain**, NIAID, NIH  
*The immune system in good times and bad – protection from infection, with a price*

- ◆ **Judith Owen**, Haverford College
- ◆ **Jennifer Punt**, Haverford College  
*Introduction to Part I of the course*

Part I will be taught by Drs. Owen and Punt, with the exception of the lecture by Shannon Bromley, as noted below.

#### Sunday, June 23

#### Session I (9:00am-12:00pm) [Break 10:20-10:40am]

##### *Introduction to the immune system*

- The players: tissues, cells and molecules of the immune system*
- The Clonal Selection Hypothesis*
- Innate immunity**
- Cellular components*
- Pattern recognition receptors*

#### Lunch Break (12:00-1:30pm)

#### Session II (1:30-4:30pm) [Break 2:50-3:10pm]

##### *Adaptive immune system*

- Macrophages and dendritic cells (Antigen Presenting Cells)*
- Lymphocytes and their receptors: structure and genetics*

- ◆ **Shannon Bromley**, Massachusetts Gen. Hosp.  
*The role of chemokines in the immune response*

#### Dinner Break (4:30-6:30pm)

#### Session III (6:30-9:30pm) [Break 7:50-8:10pm]

##### *Antigen presentation*

- MHC and MHC restriction*
- Compartmentalization of antigen presentation*

#### Monday June 24

#### Session I (9:00am-12:00pm) [Break 10:20-10:40am]

##### *T cell activation*

- Costimulation and the immunological synapse*
- T cell subsets and functionalities; the leprosy story*

#### Lunch Break (12:00-1:30pm)

#### Session II (1:30-4:30pm) [Break 2:50-3:10pm]

##### *Effector cells in the immune system*

- Humoral immunity: B cells*
- Cell mediated immunity: Th1 cells and CTLs*
- The influenza story*

#### Dinner Break (4:30-6:30pm)

#### Session III (6:30-9:30pm) [Break 7:50-8:10pm]

##### *T and B cell development*

- Antigen independent and dependent events*
- Central and peripheral tolerance induction*

#### Tuesday, June 25

#### Session I (9:00am-12:00pm) [Break 10:20-10:40am]

##### *Peripheral homeostasis: death and survival – a return to the big picture*

### PART II

#### Wednesday, June 26

2:00-5:00pm Check-in

#### Dinner (5:00-6:30pm)

#### Session I (6:30-9:30pm) [Break 7:50-8:10pm]

- ◆ **Leslie Berg**, University of Massachusetts  
*Introduction*
- ◆ **Jay Berzofsky**, NCI, NIH  
*HIV and vaccine development*

#### Thursday, June 27

#### Session I (9:00am-12:00pm) [Break 10:20-10:40am]

- ◆ **JoAnne Flynn**, University of Pittsburgh  
*Immunity to infections*

#### Lunch Break (12:00-1:30pm)

#### Session II (1:30-4:30pm) [Break 2:50-3:10pm]

- ◆ **Robert Schleimer**, Johns Hopkins Asthma and Allergy Center  
*Pathogenesis of allergic disease*

#### Dinner Break (4:30-6:30pm)

#### Session III (6:30-9:30pm) [Break 7:50-8:10pm]

- ◆ **David Sachs**, Harvard Medical School  
*Transplantation immunology*

#### Friday, June 28

#### Session I (9:00am-12:00pm) [Break 10:20-10:40am]

- ◆ **Yvonne Paterson**, University of Pennsylvania  
*Tumor immunology*

#### Lunch Break (12:00-1:30pm)

#### Session II (1:30-4:30pm) [Break 2:50-3:10pm]

- ◆ **Jerry McGhee**, University of Alabama, Birmingham  
*Mucosal immunity*

#### Dinner Break (4:30-6:30pm)

#### Session III (6:30-9:30pm) [Break 7:50-8:10pm]

- ◆ **Diane Mathis**, Harvard Medical School  
*Autoimmunity and tolerance*

#### Saturday, June 29

#### Session I (9:00am-12:00pm) [Break 10:20-10:40am]

- ◆ **Stefanie Vogel**, Uniformed Services University of the Health Sciences  
*Signal transduction in innate immunity*