

# The 50<sup>th</sup> Midwinter Conference of Immunologists

January 22-25, 2011

Asilomar Conference Grounds, Pacific Grove (near Monterey) California, USA

## Chairpersons

*Leslie J. Berg and David C. Parker*

## The Dan H. Campbell Memorial Lecturer

*William E. Paul*

**“How I learned to love the lymphocyte or CD4 T cells and what they do”**

*National Institute of Allergy and Infectious Diseases Bethesda, Maryland*

### Schedule of Events - All Sessions in Merrill Hall

#### Saturday, January 22

3:00 pm	Registration begins at Asilomar
7:30 pm	50 years MCI
8:00 pm	The Dan H. Campbell Memorial Lecture
9:00 pm	Reception Nautilus and Triton Rooms

#### Sunday, January 23

8:30 - 12:00 Noon	Session I	
4:00 - 6:00 pm	Poster Session	Fred Farr Forum and Kiln Rooms
7:30 - 10:00 pm	Session II	
10:00 - 11:00 pm	Reception	Fred Farr Forum and Kiln Rooms

#### Monday, January 24

8:30-12:00 Noon	Session III	
4:00- 6:00 pm	Poster Session	Fred Farr Forum and Kiln Rooms
7:30-10:00 pm	Session IV	
10:00-11:00 pm	Reception	Fred Farr Forum and Kiln Rooms

#### Tuesday, January 25

8:30-12:00 Noon	Session V	
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#### **SESSION I:**

Sunday Morning  
8:00 Noon

#### **BRIDGING INNATE AND ADAPTIVE IMMUNITY**

Chairperson: *Jennie P-Y Ting*

#### Speakers

**Yong-jun Liu**  
**Max D. Cooper**  
**Bruce Beutler**  
**Jennie P-Y Ting**

“Isolation of viral sensors in dendritic cells”  
“Evolution of adaptive immunity”  
“Random mutagenesis in the analysis of host resistance”  
“NLR: a large gene family with great ambitions”

*Short Talk*

*chosen from abstracts*

*Short Talk*

*chosen from abstracts*

#### **SESSION II:**

Sunday Evening  
7:30-10:00 pm

#### **INTESTINAL COMMENSAL MICROBES: PROTAGONISTS, ANTAGONISTS AND EXTRAS**

Chairperson: *Eric G. Pamer*

#### Speakers

**Richard Blumberg**  
**Dan Littman**  
**David Artis**  
**Eric Pamer**

“ER stress, Paneth cells and intestinal inflammation”  
“Roles of commensals and transcription factors in Th17 cell differentiation”  
“Mechanisms of immune surveillance at mucosal sites”  
“Antibiotics, microbiota and immune defense against intestinal bacteria”

**SESSION III:**

Monday Morning  
8:30 am-Noon

**T CELL SIGNALING AND TRANSCRIPTIONAL REGULATION:  
TUNING THE T CELL RESPONSE**

**Chairperson:** *Leslie J. Berg*

**Speakers**

**Kris Hogquist**  
**Susan M. Kaech**

“Thymic selection of conventional and regulatory T cells”  
“Generating memories: transcriptional balance over effector and memory T cell fates”

**Ed Palmer**  
**Leslie J. Berg**  
*Short Talk*  
*Short Talk*

“Central and peripheral T cell selection: Playing the numbers”  
“Regulation of T cell differentiation by the Tec kinase, Itk”  
*chosen from abstracts*  
*chosen from abstracts*

**SESSION IV:**

Monday Evening  
7:30-10:00 PM

**T CELL RESPONSES TO INFECTION**

**Chairperson:** *Michael J. Bevan*

**Speakers**

**David G. Brooks**  
**Louis Picker**  
**Richard Locksley**  
**Michael J. Bevan**

“Immune regulation during persistent viral infection”  
“Mechanisms of immune control of highly pathogenic SIV”  
“Immunity to helminths – who’s in charge?”  
“The CD8 response to pathogen”

**SESSION V:**

Tuesday Morning  
8:30 am-Noon

**IMMUNOREGULATION AND AUTOIMMUNITY:  
JUST ENOUGH AND NOT TOO MUCH**

**Chairperson:** *David C. Parker*

**Speakers**

**Jane H. Buckner**  
  
**Carola Vinuesa**  
**Fiona Powrie**  
**David C. Parker**

“Genotype-phenotype analyses reveal disease mechanisms that underlie human autoimmunity”  
“Maintaining tolerance in germinal centers”  
“Gut reactions: Cell & molecular pathways that control intestinal homeostasis”  
“Noncanonical NF-kappaB in regulatory T cells.”