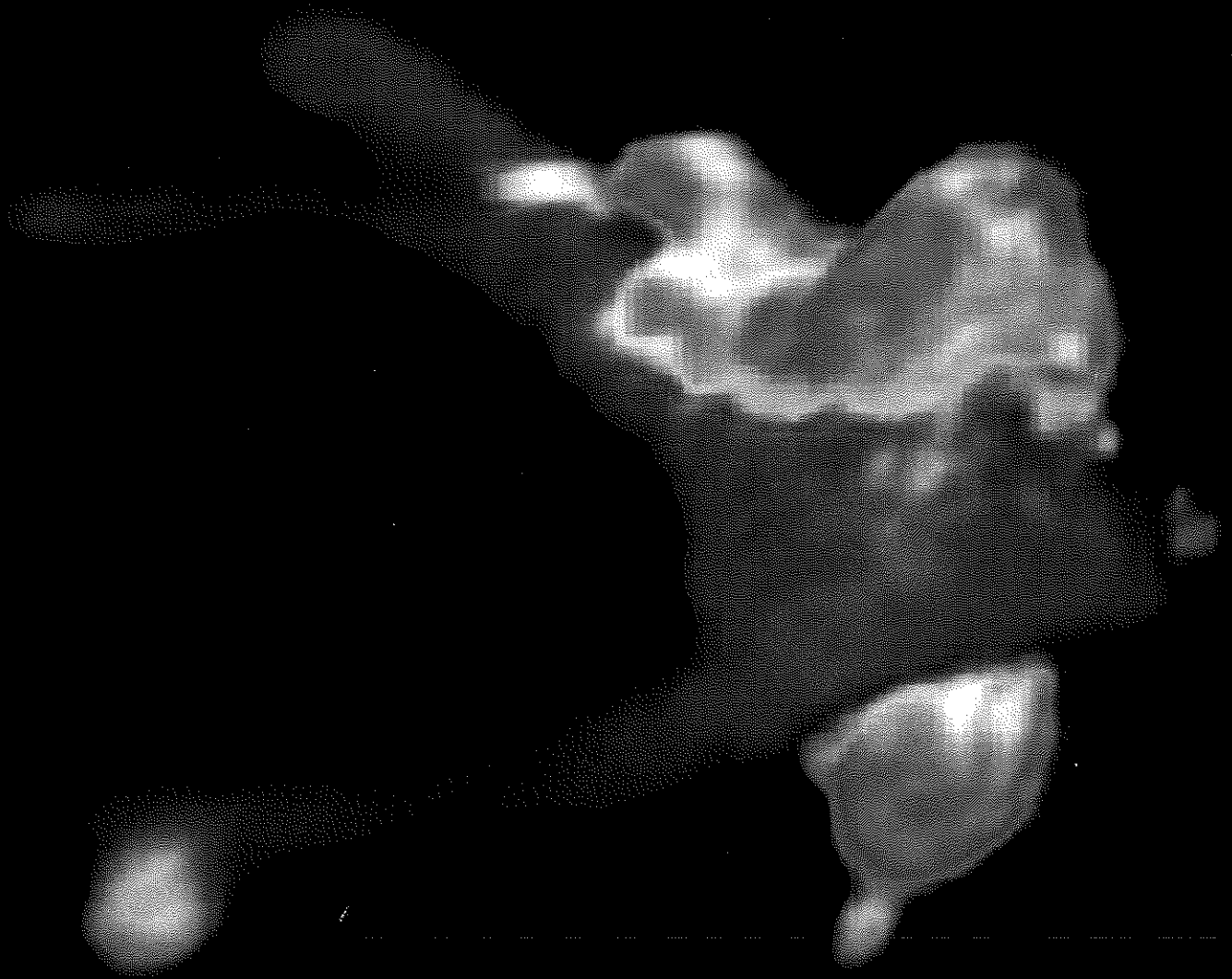


20th Annual Immunology Graduate Group Retreat

November 16-18, 2007

Willow Valley Resort and Conference Center
Lancaster, PA



The Immunology Graduate Group gratefully acknowledges the financial support of all of our contributors for the 20th Annual Retreat:

Grant support

T32 AI055428 "Immune System Development and Regulation"

T32CA09140 "The Immunobiology of Normal and Neoplastic Lymphocytes"

Program Project Grant NCI CA 93615

5T32 CA101968 "Training in Cancer and Immunopathobiology"

Institutes, Centers, Departments and Divisions

The Department of Neurology, University of Pennsylvania School of Medicine

The Department of Pathobiology, University of Pennsylvania School of Veterinary Medicine

The Department of Pathology, University of Pennsylvania School of Dental Medicine

The Division of Allergy and Immunology, Children's Hospital of Philadelphia

The Division of Cell Pathology, Children's Hospital of Philadelphia

The Immunobiology Division in the Department of Pathology and Laboratory Medicine

The Penn Center for AIDS Research

The Renal Electrolyte & Hypertension Division,

Department of Medicine

The Wistar Institute

Corporate Sponsorship

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Cover Photo: Courtesy of Jordan Orange, M.D., Ph.D., shows a 3-dimensional reconstruction of the microtubule network in a CD8+ CTL. The blue fluorescence identifies alpha tubulin and the green perforin. The perforin containing lytic granules can be seen clustered around the focus of tubulin that is consistent with the microtubule organizing center. The imaging was performed by Pinaki Banerjee in the Orange lab and CTL were prepared by George Macadonis in the Betts lab.

20th Annual Immunology Retreat
Friday to Sunday, November 16-18, 2007
Willow Valley Resort and Conference Center
2416 Willow Street Pike, Lancaster, PA 17602-4898

Friday, November 16, 2007

Please note: you will not be able to check into your hotel room until after 3pm.
We recommend leaving your luggage in your vehicle until check-in.

- | | |
|----------------|---|
| 11:00-12:00 PM | Registration, Main Lobby |
| 12:00-1:20 | Lunch, Terrace Dining Room |
| 1:20-1:30 | Welcome, Steve Reiner, IGG Chair |
| 1:30-3:30 | <u>Session I – Statesman Hall A/B/C/D</u> |
| 1:30-2:45 | Part I: Hematopoiesis and Immune Cell Development
Session Chair: Daniel Northrup |
| 1:30-1:55 | Daniel Northrup, <i>Ig-alpha expression precedes B lineage commitment</i> |
| 1:55-2:20 | Jeremiah Bell, <i>Notch Signaling Constrains the Myeloid Potential of Early Thymic Progenitors</i> |
| 2:20-2:45 | Michelle Kinder, <i>12/15-LO is a critical regulator of Hematopoiesis and Stem Cell Function</i> |
| 2:45-3:05 | Break |
| 3:05-4:45 | Part II: Regulation of NK and CD8 T Cell Responses
Session Chair: Andrew Intlekofer |
| 3:05-3:30 | Ashley Mentlik, <i>Rapid activation-induced motility of lytic granules to the microtubule organizing center is independent of polarization to the immunological synapse</i> |
| 3:30-3:55 | Andrew Intlekofer, <i>Lethal IL-17-secreting T cell response to viral infection in the absence of T-bet and eomesodermin</i> |
| 3:55-4:20 | Adeeb Rahman, <i>CD8 T cells require MyD88 in order to effectively respond to LCMV</i> |
| 4:20-4:45 | Vilma Decman, <i>Decreased immunity to viral infections in the aged</i> |
| 4:45-6:00 | Registration and Check-in, Main Lobby
Please set up posters for the remainder of the conference in Statesman C/D |

- 5:30-7:00** **Dinner Smorgasbord, Terrace Dining Room**
- 7:00-10:00** **Session II, Statesman Hall A/B/C/D**
Session Chairs: David Artis and John Wherry
- 7:00-8:00 Introduction to Keynote Speaker: Steve Reiner
Keynote Speaker, Ruslan Medzhitov, Ph.D., *Pathways of host defense*
- 8:00-8:20 Break
- 8:20-8:45 Mary Collins, Ph.D., Vice President, Inflammation Discovery Research,
Wyeth Research, *IL-17A, IL-17F and IL-22: Th17 cytokines contribute to chronic inflammation*
- 8:45-9:10 Jonathan Maltzman, M.D., Ph.D., *In vivo ablation of signaling in T cells – Past, Present, and Future*
- 9:10-9:35 Paula M. Oliver, Ph.D., *A tale of two ligases; structurally similar yet functionally unique*
- 9:35-10:00 Nicola J. Mason, Ph.D., *No longer of mice and men – cancer immunotherapy goes to the dogs*
- 10:00-12:00** **Social, Statesman A/B/C/D**

Saturday, November 17, 2007

- 8:00-9:00 AM** **Breakfast Smorgasbord, Terrace Dining Room**
- 9:00-12:00 PM** **Session III, Statesman Hall A/B/C/D**
- 9:00-10:15** **Part I: Signaling and the Immune System**
Session Chair: Laura Solt
- 9:00-9:25 Laura Solt, *A Potential Second NEMO Binding Domain In IKK-alpha and IKK-beta*
- 9:25-9:50 Robert Barnitz, *Ribosomal Protein S3: a KH domain protein component of the NF-kappaB DNA binding complex*
- 9:50-10:15 Shannon Grande, *ITAM-containing proteins are oncoproteins in non-hematopoietic cells*
- 10:15-10:25 Break
- 10:25-12:05** **Part II: CD4 T Cell Development, Activation, and Response to Infection**
Session Chair: Sara Colpitts

- 10:25-10:50 Jennifer Smith, *In vivo structure/function analysis of SLP-76 phosphotyrosines in T cells*
- 10:50-11:15 Esteban Carrizosa, *HS1 and Itk act as a complex to control T cell activation by regulating actin dynamics at the immunological synapse*
- 11:15-11:40 Sara Colpitts, *CD62L^{high} IL7R^{high} CD4⁺ T cells with memory potential are primed early following infection with Leishmania major*
- 11:40-12:05 Justin Taylor, *Adaptive Tolerance Underlies Th2 Cell Hyporesponsiveness During Chronic Schistosomiasis*
- 12:00-1:00 PM **Deli Lunch, Terrace Dining Room/ "To-Go" boxes available**
- 12:00-3:30 **Free Time to explore Lancaster area**
- 3:30-5:30 **Poster Session, Statesman Room C/D**
- 5:30-7:00 **Dinner Smorgasbord, Terrace Dining Room**
- 7:00-10:00 PM **Session IV, Statesman Hall A/B**
- 7:00-8:15 **Part I: B Cell Development, Homeostasis, and Function**
Session Chair: Jason Stadanlick
- 7:00-7:25 Jason Stadanlick, *Signaling Generates NF- κ B2 (p100) For BR3-Induced Processing and Survival*
- 7:25-7:50 Erica Carpenter, *Synergistic activation of human B cells via CD40 and TLR9: implications for immunotherapy of cancer*
- 7:50-8:15 Laura Simon Trembl, *B cells Modify BLYS Receptor Profiles in Response to TLR Stimulation*
- 8:15-8:30 **Break**
- 8:30-9:45 **Part II: The Biology of Regulatory T Cells**
Session Chair: Paige Porrett
- 8:30-8:55 Soyoung Oh, *Specificity of CD4⁺CD25⁺ regulatory T cells in arthritis prevention*
- 8:55-9:20 Paige Porrett, *IL-6 produced in response to TLR ligation disables Foxp3⁺ regulatory populations*
- 9:20-9:45 Jason Hall, *Modulation of Extra-thymic Foxp3⁺ Treg Conversion by Resident Factors in the Gut*

9:45-12:00 PM Party, Statesman Hall A/B/C/D

10:30 Announcement of Wyeth Awards for Best Oral Presentation and Best Poster

Sunday, November 18, 2007

9:00-11:00 AM Continental Breakfast, Statesman Hall A/B

REMINDER: Please check out of your room by 11. Please take down your posters.

END OF CONFERENCE

SAVE THE DATE

21st Annual Immunology Graduate Group Retreat
November 21-23, 2008
Willow Valley Resort and Conference Center