

**4th Annual UC Davis Research Retreat on Host Microbe
Interaction (HMI)
Granlibakken, October 1st-2nd, 2009**

ORGANIZING COMMITTEE

Co-Chairs:

Andreas Bäumlér, Ph.D., Vice Chair, Medical Microbiology and Immunology

Satya Dandekar, Ph.D., Chair, Medical Microbiology and Immunology

Members:

Stephen Barthold D.V.M, Ph.D., Director, Center for Comparative Medicine

Nicole Baumgarth, D.V.M, Ph.D., Chair, Immunology Graduate Group

Charles Bevins, M.D., Ph.D., Professor, Medical Microbiology and Immunology

Scott Dawson, Ph.D., Assistant Professor, Microbiology

Bryce Falk, Ph.D., Professor, Plant Pathology

Richard Michelmore, Ph.D., Director, Genome Center

William Murphy, Ph.D., Vice Chair, Dermatology

Richard Pollard, M.D., Chief, Infectious Diseases

Jay Solnick, M.D., Ph.D., Professor, Medicine, Center for Comparative Medicine

Tilahun Yilma, D.V.M., Ph.D., Distinguished Professor, Pathology, Microbiology and Immunology

Glenn Young, Ph.D., Chair, Graduate Group Microbiology

PROGRAM 2009 UC DAVIS HMI RETREAT

October 1

- 12:00pm** ***Opening Reception (Cedar House) and light Lunch (Granhall)*** *
- 1:00-3:10** ***Scientific Session 1 (Mt. Lake Conference Room)*** *
- Moderator: ***Charles Bevins***, *Medical Microbiology and Immunology, School of Medicine*
- 1:00 **Opening Address**
- 1:15-1:30 ***Steven Barthold***
Pathology, Microbiology and Immunology, Center for Comparative Medicine
School of Veterinary Medicine
"The Teddy Bears Picnic: Lyme Borreliosis in California"
- 1:35-1:50 ***Becky Parales***
Microbiology
College of Biological Sciences
"Bacteria with a Sense of Smell: Chemotaxis to Environmental Pollutants"
- 1:55-2:05 ***Sebastian Winter***
Bäumler lab, Medical Microbiology and Immunology
School of Medicine
"TviA: *Salmonella* Typhi's switch to stealth mode"
- 2:10-2:20 ***Brendan Riely***
Cook lab, Plant Pathology
College of Agricultural and Environmental Sciences
"Elucidating the Nod factor signaling pathway in the model legume *Medicago truncatula*"
- 2:25-2:35 ***Steven Priest***

Baumgarth lab, Pathology, Microbiology and Immunology, Center for Comparative
Medicine

School of Veterinary Medicine

"Balancing the immune response between virus and self: a new role for type-I
interferon regulation in B cells."

2:40-2:50

Christina Rosa

Falk lab, Plant Pathology

College of Agricultural and Environmental Sciences

" RNA-interference against the Glassy winged sharpshooter, a vector of Pierce's
Disease of grapevines "

2:55-3:05

Nazzy Pakpour

Luckhart lab, Medical Microbiology and Immunology

School of Medicine

"Insulin signaling and the regulation of innate immunity to malaria infection"

3:10-3:40

Break

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3:40-6:00

Scientific Session 2 (Mt. Lake Conference Room)

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Moderator: **Jay Solnick**, Center for Comparative Medicine, Medicine, School of
Medicine

3:40-3:55

Glenn Young

Food Science & Technology

College of Agricultural and Environmental Sciences

"Foodborne pathogens actively influence the outcome of an infection"

4:00-4:15

David Segal

Pharmacology

School of Medicine

"Protein microarrays for the capture of bacteria and identification of bacterial DNA"

4:20-4:30

Brian Butler

Tsolis lab, Medical Microbiology and Immunology

School of Medicine

"A mouse model to study the synergy between malaria and bacteremia with non-typhoidal *Salmonella*"

4:35-4:45

Jae Han Kim

Mills lab, Viticulture and Enology

College of Agricultural and Environmental Sciences

"No title available"

4:50-5:00

Kiem Vu

Gelli lab, Pharmacology

School of Medicine

"No title available"

5:05-5:15

Hiutung Chu

Bevins Lab, Medical Microbiology and Immunology

School of Medicine

"HD6: Not misbehaved, just misunderstood"

5:20-5:30

Cara Cooke

Solnick lab, Center for Comparative Medicine, Medicine, Infectious Diseases

School of Medicine

"Catch me if you can: Antigenic variation in the Type IV Secretion Pilus is

Associated with Changes in the Inflammatory Response to *Helicobacter pylori*"

5:35-5:45

Patricia Maloney

Rizzo lab, Plant Pathology

College of Agricultural and Environmental Sciences

"Ecological and Genetic Considerations in the White Pine Blister Rust

Pathosystem "

6:00-6:30pm

Check in (Lobby) and Poster Setup (Mountain Ballroom)

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7:00-8:00pm

Dinner (Granhall)

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8:00-10:30pm

Poster Session (Mountain Ballroom)

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October 2

7:30-8:30am **Breakfast (Granhall)** *

9:00-10:15am **Scientific Session 3 (Mt. Lake Conference Room)** *

Moderator: **Scott Dawson**, Microbiology, College of Biological Sciences

9:00-9:15

Johan Leveau

Plant Pathology

College of Agricultural and Environmental Sciences

"The ecology of bacterial individuality"

9:20-9:35

Jesse Deere

North lab, Molecular Biosciences, Center for Comparative Medicine

School of Veterinary Medicine

"No title available"

9:40-9:50

TBN STUDENT/POSTDOC

Weimer lab, Population Health and Reproduction

School of Veterinary Medicine

"No title available"

9:55-10:05

Andrew Reams

Roth lab, Microbiology

College of Biological Sciences

"No title available"

10:15-10:45am **Coffee Break** *

10:45-12:00pm **Scientific Session 4 (Mt. Lake Conference Room)** *

Moderator: **Bryce Falk**, Plant Pathology, College of Agricultural and Environmental Sciences

10:45-11:00

Satya Dandekar

Medical Microbiology and Immunology

School of Medicine

"No title available"

11:10-11:20

Danice Wilkins

Murphy lab, Dermatology

School of Medicine

"Characterization of antigen independent CD8 T cell responses following immunotherapy: A new paradigm for CD8 T cell activation and function"

11:25-11:35

Min-Ho Kim

Simon Lab, Biomedical Engineering

College of Engineering

"The role of neutrophil survival in host response against *Staphylococcus aureus* infection in mouse skin wound"

11:40-11:50

Dave Woessner

Dawson lab, Microbiology

College of Biological Sciences

"The Role of the Median Body Protein in *Giardia intestinalis*"

12:00-1:00pm

Lunch (Granhall)

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POSTER SESSION (Mountain Ballroom, 8:00-10:30pm)

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SIZE OF POSTER BOARDS: 4'x8'; POSTER SIZE: 4'x4'

“Imaging and editing the genome” Barbara Bailus, Mital Bhakta, Zhen Jin, Moon-soo Kim, Sarah Lockwood, Kumitaa Theva Das, Artem Zykovich, David J. Segal