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

ORGANIZING COMMITTEE

Co-Chairs:
Andreas Bäumler, 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  

3:40-6:00  
Scientific Session 2 (Mt. Lake Conference Room)  
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)**

7:00-8:00pm  **Dinner (Granhall)**

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

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