

When: April 25, 2011, 9am – 5 pm

Where: Gourley Clinical Teaching
Center Room 1102
School of Veterinary Medicine, UC
Davis, Davis, CA

Purpose: Malaria remains one of the most deadly vector-borne diseases in the world. Worldwide programs continue to rely on control programs based on the most recent research available. In honor of the Roll Back Malaria Program, promoting the education and research in the fight against Malaria, student and researchers at UC Davis engaged in research in vector biology and genetics will come together to discuss their research efforts.

For more information or to participate contact Becky Trout (rttrout@ucdavis.edu) or Michelle Sanford (mrsanford@ucdavis.edu).



25 April **2011**
Achieving Progress and Impact

**WORLD
MALARIA
DAY**

**World Malaria Day at UC
Davis: Current research in
vector biology and
genetics at UC Davis**

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at UC Davis:
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Time	Speaker	Title	Affiliation
9:15-9:30am	Anton Cornel	Introduction	UC Davis
9:31-9:46am	Lattha Souvannaseng , Shirley Luckhart	What is the role of MAPK phosphatases in <i>Anopheles gambiae</i> immune signaling?	Genetics Graduate Group, UC Davis
9:47-10:02am	Elizabeth Glennon , Shirley Luckhart	Abscisic acid and mosquito immune signaling	UC Davis
10:03-10:18am	Hannah Smithers , Shirley Luckhart	Exploring the role of the <i>Anopheles gambiae</i> PKC family in innate immunity	UC Davis
10:20-10:30am	Coffee Break		
10:30-10:50am	Ashley Horton , Lattha Souvannaseng, Yoosook Lee, Anton Cornel, Gregory Lanzaro, Shirley Luckhart	Disease association mapping in <i>Anopheles gambiae</i> : What are the effects on malaria?	UC Davis
10:51-11:16am	Nazzy Pakpour , Hannah Smithers Kong Cheung, Gabriel Green, Shirley Luckhart	The effects of ingested human insulin on NF-kB activation and the mosquito immune response to malaria infection	UC Davis
11:17-11:32am	Jose E. Pietri , Alexander G. Marquez, Hannah M. Smithers, Andrew Nuss, Yevgeniya Antonova, Anna L. Drexler, Michael A. Riehle, Mark R. Brown, Shirley Luckhart	Expression Patterns of the Insulin-like Peptides in <i>Anopheles stephensi</i> : Potential Roles in Anti-Parasite Immunity	Department of MMI, School of Medicine, UC Davis, Dept. of Entomology, UGA, and UA
11:40-1:00pm	Lunch		
1:00-1:30pm	Steve Mulligan	Impact of University of California research and training on California vector control programs	Consolidated Mosquito Abatement District
1:31-1:46pm	Rebecca Trout Fryxell , Stephanie Seifert, Yoosook Lee, Gregory Lanzaro, Anton Cornel	The complicated situation of the <i>Culex pipiens</i> complex in California	
1:47-2:17pm	Christy Andrade , Payal Maharaj, William Reisen, Aaron Brault	Assessing temperature sensitivity of West Nile Virus isolates from California	Center for Vector-borne Disease, UC Davis, CDC Division of Vector Borne Diseases
2:18-2:33pm	Janet Foley	<i>Ixodes</i> sp.-borne disease in the western US and the effect of biological diversity on disease risk	School of Veterinary Medicine, UC Davis
2:34-2:49pm	Sara Aureli	Distribution of tick-borne diseases in Italy	School of Veterinary Medicine, UC Davis
2:50-3:00pm	Coffee Break		
3:00-3:15pm	Dan Rejmanek	Evolution of a major antigen of <i>Anaplasma phagocytophilum</i> during passage in rodent hosts	School of Veterinary Medicine, UC Davis
3:16-3:36pm	Regina Dingler	An outbreak of fatal notbedric mange in bobcats in California	School of Veterinary Medicine, UC Davis
3:37-4:02pm	Jenny S. Carlson , Rebecca Trout Fryxell, Ravinder NM Sehgal, Anton J. Cornel	A proposal: Host-vector-parasite interactions of avian malaria	UC Davis
4:03-4:18pm	Michelle Sanford , Berna Demirci, Yoosook Lee, Gregory Lanzaro	Using wing morphology to distinguish the M and S molecular forms of <i>Anopheles gambiae</i> in West Africa - a potential gene x environment interaction	Center for Vector-borne Disease, UC Davis
4:19-4:34pm	Kelly Liebman	Spatial dimensions of dengue virus transmission across interepidemic and epidemic periods in Iquitos, Peru (1999 – 2004)	UC Davis
4:55-5:00pm	Anton Cornel	Closing remarks	UC Davis