Biomedical Sciences Seminar
Cosponsored by Neuroscience

presents

"A First Look at Plasmodium falciparum sexual differentiation in vivo."

Guest Speaker: Dr. Kim Williamson
Uniformed Services University of the Health Sciences

Thursday November 7th

WHEN: 12:00pm-1:00pm
WHERE: Vet Med Room 2226
HOST: Dr. Beck

PIZZA SERVED IN FISH TANK LOBBY

Seminar Details
Malaria eradication requires new approaches to detect and eliminate parasite transmission. Our ongoing field and in vitro work investigates the initial steps in the production of the sexual stages of P. falciparum parasites required for transmission. We recently identified transmission markers that can be detected before the parasites mature into the stages that can be transmitted to mosquitoes, allowing for the first time treatment prior to transmission and identification of populations at risk for high transmission. We have also begun to identify gametocyte production factors that may provide new options to reduce transmission in the field increasing the efficiency of eradication efforts.

Next Week’s Speaker: Dr. Jeff Essner
Topic: “Use of CRISPR/Cas9 for targeted integration in zebrafish and mammalian cell culture”