

# The KALAMAZOO Section presents

## “Sustainable Science - Recycle a Poster”

Tuesday, Nov 10<sup>th</sup>, 2015 (5-9pm)

**“Inhibition of an erythrocyte tyrosine kinase prevents *Plasmodium falciparum* egress and terminates parasitemia”**

**Keynote Speaker Dr. Karson S. Putt<sup>#</sup> (Purdue)**



**Bell's Eccentric Café**  
355 E. Kalamazoo Ave  
*Complimentary hors d'oeuvres\**  
*Sci-Mix Poster Session with Prizes*



- 5-7 pm**    **Poster Setup, Registration, Reception**
- 7-8 pm**    **Keynote Speaker**
- 8 pm**    **Prize Announcement**
- 8-9 pm**    **Poster Session, Network with Scientists and Speaker**

**ABSTRACT:** According to the World Health Organization, one child dies from malaria every minute, and half of the world's population remains at risk of infection. Because this threat is expected to rise as drug resistance continues to eliminate established treatment options, the search for novel anti-malarial therapies has intensified. Here we describe a therapy that prevents *Plasmodium falciparum* from inducing the phosphorylation of erythrocyte band 3 by an erythrocyte tyrosine kinase, among others. At a time when drug resistant strains of *P. falciparum* are continually emerging, a therapy that targets a host enzyme that cannot be mutated by the parasite could lead to a mutation-resistant treatment for this devastating disease.

<sup>#</sup>Kristina Kesely, the original invitee, had to travel to Vietnam for clinical trials. \*Please note that each attendee who is (1) a current ACS member, or (2) a poster presenter or (3) a Zoetis employee will receive two complimentary drink tickets.

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