

Center for Research and Training in the Sciences (UTSA),  
Institute for Integration of Medicine & Science (UTHSA),  
Translational Science Graduate Program, &  
UTSA UTHSA Joint Graduate Program in Biomedical Engineering  
invite you to attend

# STRECH

Seminars in Translational Research

## Presents

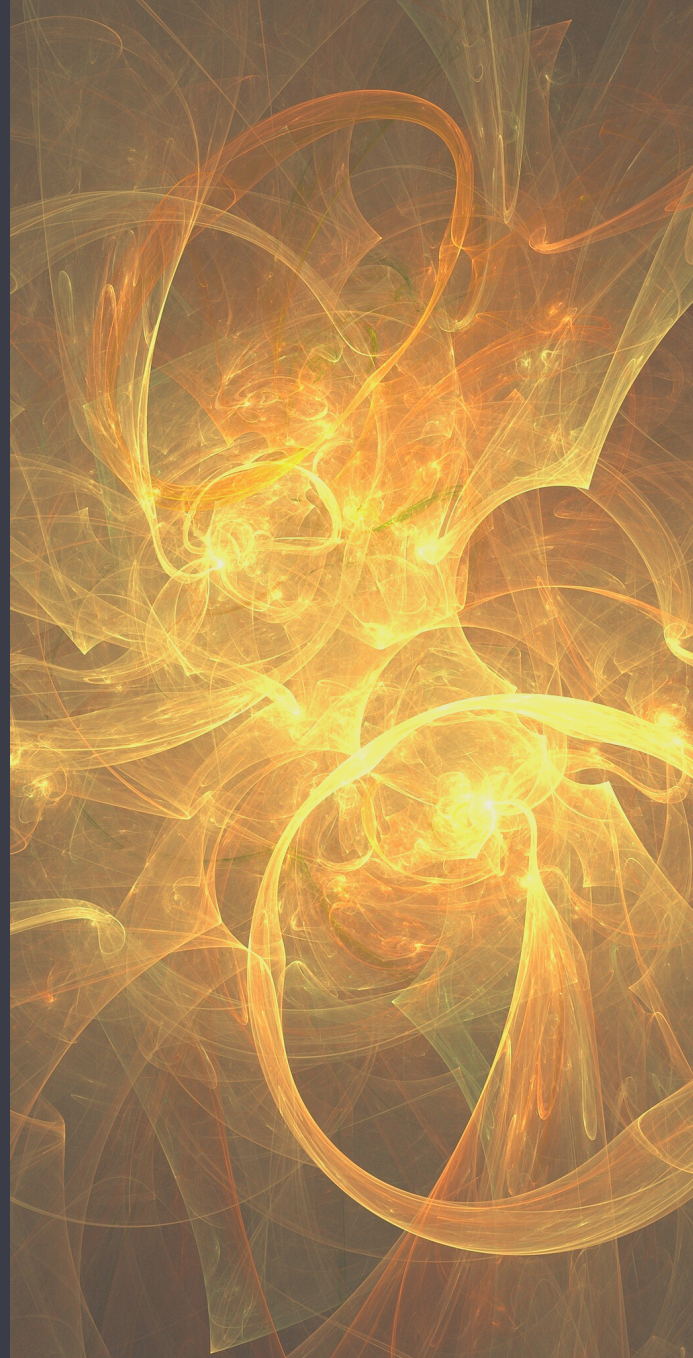
### *Plasmodium Phenotypic Profiling for Antimalarial Drug Discovery*

Malaria remains a dominant global health problem, with more than 200 million cases causing >400,000 deaths each year. Antimalarial chemotherapy is critical for treating symptomatic infections, but chemoprotection, using drugs that target Plasmodium parasite liver stage before malaria develops or the infection can be transmitted back to the mosquito vector, will be central to protecting both individuals and populations in the malaria elimination era. We have developed a multimodal assay allowing identification of compounds active at any point during the model *P. berghei* liver stage, which culminates with image-based single parasite phenotyping. Compound activity profiles permit triage of active compounds based on induced phenotype in addition to potency, and can generate mechanistic hypotheses directly from a primary screen.



**Kirsten K. Hanson, PhD**

*Assistant Professor, Department of Biology and  
South Texas Center for Emerging Infectious Diseases,  
University of Texas at San Antonio*



Friday, November 13, 2020  
9:00AM - 10:00AM

For information on participating in this  
virtual seminar, please head to  
<https://www.utsa.edu/crts/strech/>  
or scan the QR code below.



✉ STRECH@UTHSCSA.edu  
☎ (210) 562-IIMS