

CMPD5 MINISYMPOSIUM PROPOSAL

Title: Advances in Modeling Vector-Borne Neglected Tropical Diseases

Organizers:

- Swati DebRoy, University of South Carolina Beaufort, sdebroy@uscb.edu;
- Christopher Kribs, University of Texas at Arlington, kribs@uta.edu

Many neglected tropical diseases are transmitted by vectors. Mathematical models of vector-borne diseases play an important and well-established role in studying the transmission dynamics and control of such diseases since affected individuals and their local government often have very limited resources. This mini-symposium offers analysis and insights on the infection dynamics of diseases such as leishmaniasis, malaria, dengue, and Chagas disease, building on the common underlying structure of host-vector contacts to identify population dynamic results across different host and vector types.

Confirmed speakers:

1. Lauren Childs, Virginia Tech
2. Swati DebRoy, University of South Carolina Beaufort
3. Christopher Kribs, University of Texas at Arlington
4. Olivia Prosper, University of Kentucky

Special request:

Drs. Childs and Prosper are also organizing a (different) mini-symposium, in which they are not speaking. I wanted to pass on their scheduling request that these two mini-symposia (if both accepted) be scheduled on the same or consecutive days (but obviously not at the same time). Thank you for your consideration.