Modeling Cholera Elimination in Haiti
March 13th, 2017

The symposium will be held in room 318
Mathematical Sciences Building (MSB)
University of Central Florida, Orlando

Through this symposium, we bring expertise from different disciplines for the challenge of cholera elimination in Haiti.

The Haitian government with international partners developed a plan for cholera elimination for a period of ten years: 2013-2022.

Target factors in this plan include: safe water for the population, sanitation around the country, develop more hygiene knowledge around the population, care of patients with cholera, vaccination.

Haiti is a country with limited resources and funding of the plan is problematic as only 18% of the budget has been given in 2015 (Koski-Karell et al., 2016), so it is very important to know which interventions is most cost effective for cholera elimination.

Organizers:

Isaac Fung, Georgia Southern University
Zhisheng Shuai, University of Central Florida
Dingbao Wang, University of Central Florida

Plenary Speakers:

Isaac Fung
Jiann-Ping Hsu College of Public Health
Georgia Southern University

Mentor Lucien
Ministry of Public Health and Population
Republic of Haiti

Invited Speakers:

Kenneth Teter
Biomedical Sciences, University of Central Florida

Dingbao Wang
Hydrology, University of Central Florida

Teng Zhang
Mathematics, University of Central Florida

Zhisheng Shuai
Mathematics, University of Central Florida

UCF Student Speakers:

Christopher Botelho
Henry Chang
Hanna Reed
Nathaniel Smith

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College of Sciences and Department of Mathematics, University of Central Florida

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Schedule:

8:45 - 9:00 Welcoming remarks
9:00 - 10:00 Mentor Lucien "*Cholera situation in Haiti*"
10:00-10:30 Q&A session
10:30-11:00 Coffee break
11:00-12:00 Isaac Fung "*Sanitation interventions & mathematical modeling*"

12:00 - 1:30 Lunch Break

1:30-2:30 Mentor Lucien "*Strategies to control cholera*"
2:30-3:00 Dingbao Wang "*Hydro-climatology and its impact*"
3:00-3:30 Coffee Break
3:30-4:00 Kenneth Teter "*Cholera toxin*"
4:00-4:30 Teng Zhang "*Regression in data analysis*"
4:30-4:50 Zhisheng Shuai "*PIC Math course on Cholera in Haiti*"
4:50-5:10 PIC Math student presentation 1 (Botelho, Chang, Reed)
5:10-5:30 PIC Math student presentation 2 (Smith)
5:30-6:00 Discussion session & concluding remarks

6:30 Dinner

Acknowledgement:

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