

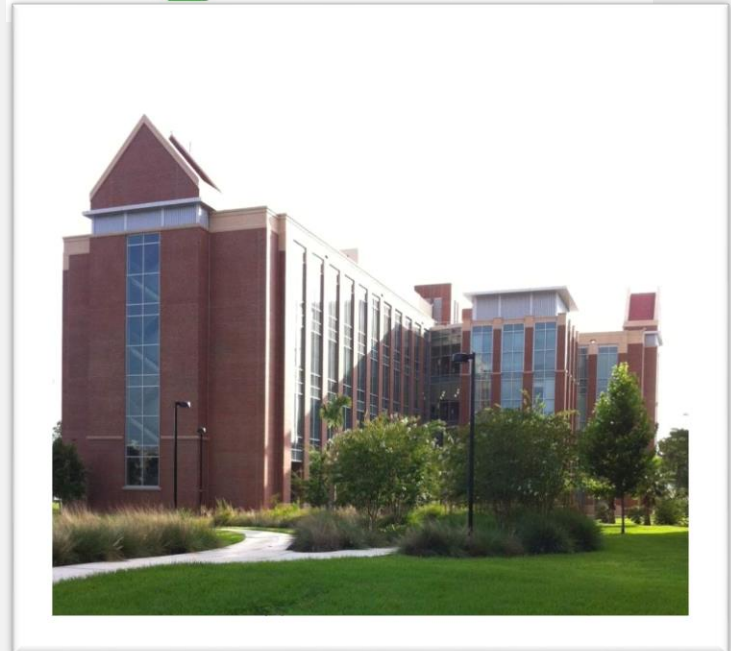
Emerging Pathogens Institute

UNIVERSITY OF FLORIDA

J. Glenn Morris, Jr., MD, MPH&TM

Professor and Director

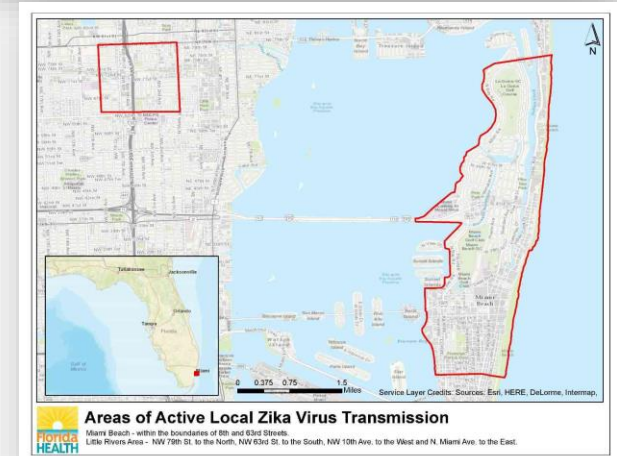
- Interdisciplinary Research Institute, created in 2006 with appropriation from Florida state legislature, focusing on human, animal, and plant pathogens
- Over 200 faculty members, from 11 UF colleges (including medicine, public health, veterinary medicine, and agriculture)
- Strong global emphasis, driven by Florida's sub-tropical location, the risk of introduction of new pathogens, and the critical role of trade and tourism in the Florida economy



Research Areas

(with representative current projects)

- Vector-borne Diseases
 - Zika (Haiti, Columbia, Venezuela, Jamaica, Brazil, Florida and Southeastern U.S.)
 - Viral isolation/sequencing, phylogenetic analysis
 - Modeling of transmission
 - Clinical, immunologic studies
 - Diagnostics, therapeutics
 - Animal models
 - Vector studies
 - Dengue (Haiti, Pakistan, Columbia)
 - Viral isolation/sequencing, phylogenetic analysis
 - Modeling of transmission
 - Design of global dengue vaccine trials
 - Malaria (Haiti, Ghana)



Research Areas

- Vector-borne Diseases (continued)
 - *Chikungunya (Haiti)*
 - *Viral isolation/sequencing, phylogenetic analysis*
 - *Clinical studies*
 - *Mayaro, Coronavirus, EEEV, WNV (Haiti, US, Panama, Pakistan)*
 - *Tick-borne pathogens*
 - *Vector control/development of novel insecticides*
- Influenza/viral respiratory diseases
 - *Influenza*
 - *School-based influenza immunization*
 - *Sequencing/disease occurrence, severity*
- HIV/AIDS



Research Areas

- Tuberculosis
 - *Drug-resistance*
 - *Phylogenetics*
- Enterics/foodborne/cholera
 - *Cholera (Haiti, Bangladesh, Cameroon)*
 - *Rural/urban studies*
 - *Risk factors for disease severity: studies of cholera bacteriophage, microbiome studies*
 - *Cholera in the environment*
 - *Impact of cholera vaccine*
 - *Cellphone-based surveillance, community response*
 - *Diarrheal disease (Haiti)*
 - *Norwalk Virus*
- Sexually-transmitted Infections



Research Areas

- Plant pathogens
 - *Citrus greening*
- Zoonoses
 - *Marine viral discovery*
- Drug resistance/infection control
 - *ESBL's in cattle*
 - *Hospital Infection Control*
- Biodefense
 - *Burkholdaria*
 - *Anthrax*
- Vaccine development
 - *Salmonella-based vaccines*
 - *Brucella*
 - *Design/Analysis of ebola, dengue vaccine trials*



EPI (Main and APL Buildings)

- 301 people assigned space in building (another 115 collaborators have access)
 - 51 faculty members
 - 250 student interns/graduate students/post-docs/staff
- BSL2 laboratory space: fully committed
 - Carrel additions maxed out
- BSL3 laboratory space
 - *USDA/CDC approval for work with: Ba, Yp, Bd, Bruc, CHIKV, Drug Resistant TB*



EPI Haiti labs/clinics



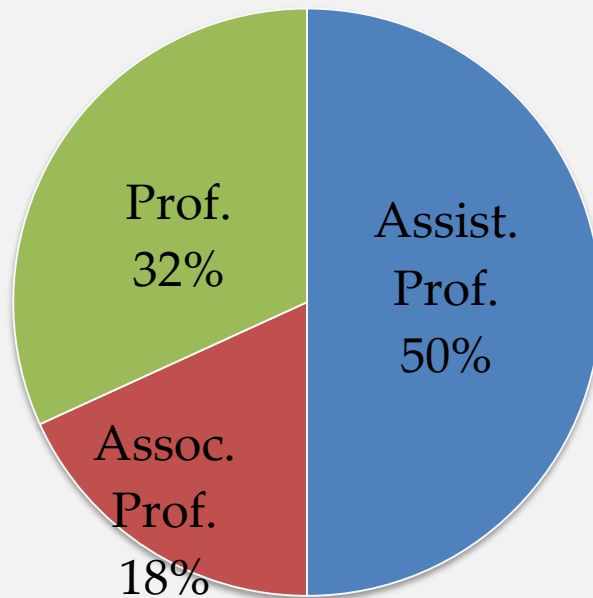
Areas of active research

- Cholera
- Arboviruses
(ZIKV, DENV, CHIKV)
- Malaria
- TB
- Diarrheal disease
- STI's

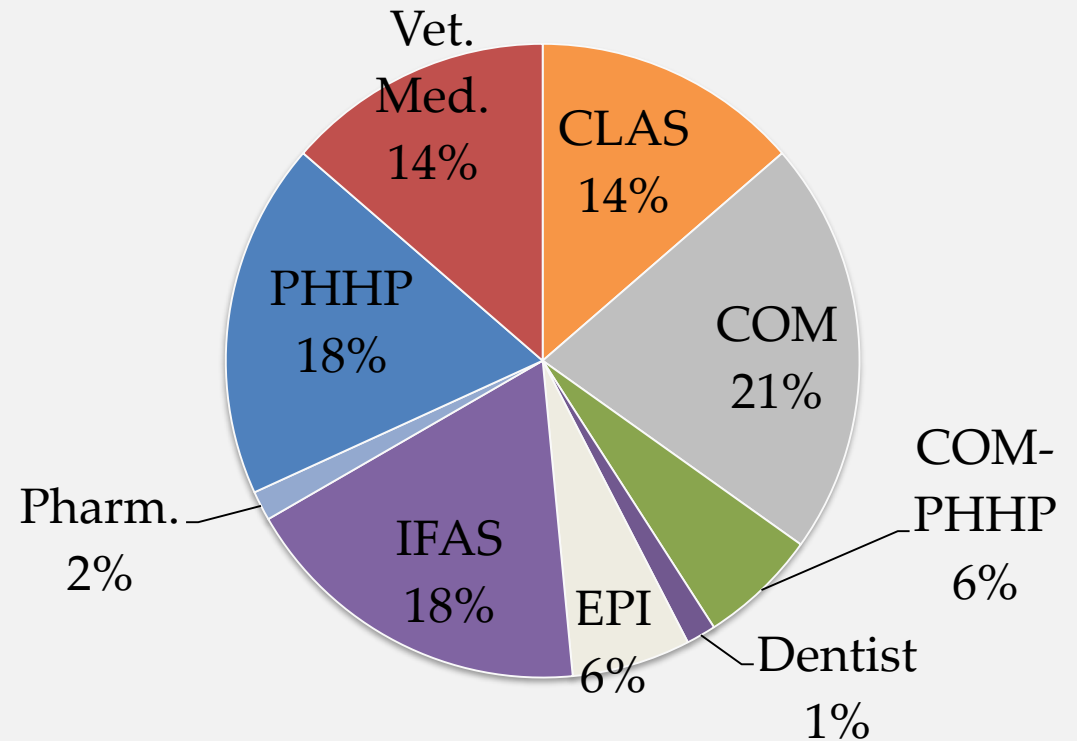
Faculty Recruitments, by Rank and College, Total



Faculty by Rank



Faculty by College



Total Recruitments = 66

Sources of Extramural Funds, FY15-16

