CONTACT US

Tropical and Emerging Infectious Diseases

UPR-Medical Sciences Campus
Guillermo Arbona Main Building
Department of Microbiology
Lab A-349, Third Floor
San Juan, PR 00935

(787) 758-2525 x. 1314

Adelfa E. Serrano, Ph.D.
TEID Core Lead
adelfa.serrano@upr.edu

Emilee E. Colón, Ph.D.
Research Scientist
emilee.colon@upr.edu

http://rcmi.rcm.upr.edu/?q=tropical

Grant U54MD007600

NIH National Institute on Minority Health and Health Disparities

Tropical and Emerging Infectious Diseases (TEID)

Core Lab A-349

Center for Collaborative Research in Health Disparities

UNIVERSIDAD DE PUERTO RICO

RECINTO DE CIENCIAS MEDICAS
UNIVERSIDAD DE PUERTO RICO

WHO WE ARE

The Tropical and Emerging Infectious Diseases (TEID) Research Center is located in **Lab A-349,** Department of Microbiology and Medical Zoology, Guillermo Arbona Building. This a centralized BSL-2 type facility that provides access to shared resources (instruments, technologies, services), as well as expert consultation to basic and clinical investigators and specialized services.

EQUIPMENTS AND SOFTWARES

Tissue Culture Room

- ✧ Shaker Incubator – Innova 40
- ✧ Tissue Homogenizer
- ✧ Biological Safety Cabinet
- ✧ Autoclave

Microscopes

- ✧ Nikon E800 Fluorescence Microscope with Camera
- ✧ Nikon SMZ800N Stereomicroscope with Camera
- ✧ Nikon Inverted Microscope

Other Equipments

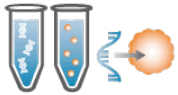
- ✧ SpectraMax M3 Multimode Reader
- ✧ Amaxa Nucleofactor System
- ✧ Eppendorf Centrifuge 5810R
- ✧ PCR Workstation
- ✧ Veriti Thermal Cycler
- ✧ CHEF-DR III PFGE System
- ✧ BioRad GelDoc
- ✧ Chemical Safety Cabinet

Specialized Softwares

- ✧ GraphPad Prism
- ✧ Clone Manager

SERVICES AND FEES

Transfection of Cells



Transfection of cell lines with different substrates, e.g. plasmid DNA, RNA, siRNA, shRNA, miRNA, peptides, and small molecules.

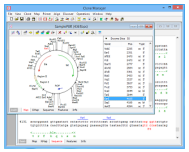
Antimalarial Screening

Testing of compounds *in vitro* and/or *in vivo* in the rodent malaria model with rapid determination of EC_{50} values and antimalarial activity.

Molecular Assays

A variety of assays are offer including: protein quantification, enzymatic assays, ELISA, among others.

Molecular Biology



In silico analysis and design of: primers, constructs for genetic manipulations and protein expression, cloning simulation, enzyme digestions, nucleic acids sequences, and alignments.

Training and Consultation

Training in the use of equipment, technical support, troubleshooting and consultation in techniques, and help in experimental design.

The TEID operates on a charge back mechanism for equipment use and services provided.

Description	Period	Fees
Access to All Equipment: Training for Equipment Handling and Use	Semester 1: Aug – Dec Semester 2: Jan- May Summer 1 Year	$100 $100 $40 $200