



Adelfa Serrano-Brizuela, Ph.D.
Professor of Microbiology and Medical Zoology
Key Activity Director, RCMi Infectious and Global
Diseases Program

Adelfa E. Serrano is Professor in the Department of Microbiology and Medical Zoology, University of Puerto Rico-School of Medicine. She is Director of the Molecular Biology of Malaria Parasites Research Laboratory focusing on the elucidation of the molecular basis of *Plasmodium* drug resistance in the rodent malaria model, *Plasmodium berghei*. Her group also works in the identification of novel targets for therapeutic interventions using reverse genetics and the identification of genes essential for development in both the vertebrate and the mosquito host. In addition, her laboratory regularly conducts *in vivo* testing of potential anti-malarials in *P. berghei*. Currently, Dr. Serrano collaborates with top investigators in the field such as the Leiden Malaria Research Group from Leiden University, The Netherlands; the Malaria Research Institute, Johns Hopkins University and Genzyme, Boston.

Dr. Serrano earned her doctoral degree at The University of Georgia (Athens, GA) in parasite immunology and vaccines. Subsequently, she received her post-doctoral training at the Harvard School of Public Health, Department of Tropical Public Health, working on the molecular biology of *Plasmodium*. She joined the faculty of the Department of Microbiology and Medical Zoology, University of Puerto Rico School of Medicine where she has trained professional, undergraduate and graduate students. In addition, she has published high- impact research findings in peer-reviewed journals.

Dr. Serrano also co-coordinates the Center for Molecular Genetics and Infectious Disease Research Program (CMGIDR) and directs the Infectious Diseases Component in this center. The goal of the CMGIDR is to develop and strengthen a collaborative research environment that will enable high-quality biomedical research in molecular genetics and infectious diseases at the University of Puerto Rico Medical Sciences Campus.

Research Areas: Malaria, Plasmodium, drug resistance, molecular parasitology, ABC transporters

Contact Information

UPR Medical Sciences Campus
School of Medicine
Department of Microbiology and Medical Zoology A- 355
PO Box 365067
San Juan, PR 00936-5067

Phone: 787-751-9486
Fax: 787-758-4808
E-mail: adelfa.serrano@upr.edu

