Graciela R. Ostera, Ph.D.

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EDUCATION

Postdoctoral Fellow. NIAID, National Institutes of Health, Bethesda, MD.
Ph.D. Physiology and Biophysics. Georgetown University. Washington D.C.
M.S. Biochemistry and Molecular Biology**.** University of Buenos Aires. Buenos Aires, Argentina.

SPECIAL SKILLS

Bilingual English/Spanish
Translator and Interpreter with strong background in Medicine and Biomedical Sciences
Biomedical Science Editor (*please see page 2*).

CURRENT POSITION

2009-to date: Assistant Professor (Adj.) Georgetown University Medical Center. Global and International Health. Immigrant Health. Orphan Drugs. Vaccines. Transgenic Organisms.

SCIENTIFIC COLLABORATIONS

2013-to 2016: Principal investigator, Georgetown University and Baylor College of Medicine.
2011: Co-investigator, Georgetown University Law Center.
2003-2009: Co-investigator, NIH and North Dakota State University.
2001-2003: Co-investigator, NIH and the Cleveland Clinic.

ONGOING TRAINING

Positive Psychology: Martin Seligman's Visionary Science by University of Pennsylvania on Coursera.
Positive Psychology: James Pawelski's Applications and Interventions by University of Pennsylvania on Coursera.
Positive Psychology: Angela Duckworth's Character, Grit and Research Methods by University of Pennsylvania on Coursera.

OTHER PROFESSIONAL ACTIVITIES

Supporter of the Brain & Behavior Research Foundation
Editorial Board Member, World Medical and Health Policy Journal
Member of the American Association for the Advancement of Science - AAAS

PUBLICATIONS

Ostera G., Blum J., Cornejo C., Burgula S., Jeun R., Bryan P.E and Mejia R. Prevalence of Strongyloidiasis in Latin American Immigrants Living in the United States: A Pilot Study. *Journal of Helminthology,* 2016; April 18:1-5.

Ostera G. and Blum J. Strongyloidiasis: risk and health care access for Latin American immigrants living in the United States. *Current Tropical Medicine Reports* 2016; 3:1-3.

Ostera G., Blum R., Mejia R. Immigrant Populations: Global Health in our Backyard. *Annals of Global Health* 2014; 80:429-432.

Tokumasu F., Ostera G., Amaratunga G., and Fairhurst R. Modifications in Erythrocyte Membrane Zeta Potential by *Plasmodium falciparum* Infection. *Experimental Parasitology* 2012; 131:245-51

Francischetti I., Oliveira C., Ostera G., Yager S., Debierre-Grockiego F., Carregaro V., Jaramillo-Gutierrez G., Hume J., Jiang L., Moretz S., et al. Defibrotide interferes with several steps of the coagulation-inflammation cycle and exhibits therapeutic potential to treat severe malaria. *Arteriosclerosis, Thrombosis, and Vascular Biology* 2012; 32: 786-798

Ostera G. and Gostin L. Biosafety concerns involving genetically modified mosquitoes to combat malaria and dengue in developing countries. *JAMA* 2011; 305: 930-931

Ostera G., Tokumasu F., Teixeira C., Collin N., Sa J., Hume J., Kumar S., Ribeiro J., Lukat-Rodgers G.S. and Rodgers K.R. *Plasmodium falciparum*: Nitric oxide modulates heme speciation in isolated food vacuoles. *Experimental Parasitology* 2011; 127: 1-8

Nagababu E., Mohanty J., Bhamidipaty S., Ostera G. R., and Rifkind, J. Role of the membrane in the formation of heme degradation products in red blood cells. *Life Sciences* 2009; 86: 133-138

Tokumasu F., Nardone G., Ostera G., Fairhurst R., Beaudry S., Hayakawa E. and Dvorak J. Altered membrane structure and surface potential in homozygous hemoglobin C erythrocytes. PLoS One 2009; 4: e5828

Ostera G., Tokumasu F., Oliveira F., Sa J., Furuya T., Teixeira C. and Dvorak J. *Plasmodium falciparum*: food vacuole localization of nitric oxide-derived species in intraerythrocytic stages of the malaria parasite. *Experimental Parasitology* 2008; 120: 29-38
Cover article

Francischetti I. M., Seydel K. B., Monteiro R. Q., Whitten R. O., Erexson C. R., Noronha A. L., Ostera G. R., Kamiza S. B., Molyneux M. E., Ward J. M. et al. *Plasmodium falciparum*-infected erythrocytes induce tissue factor expression in endothelial cells and support the assembly of multimolecular coagulation complexes. *Journal of Thrombosis and Haemostasis* 2007; 5: 155-165

Fairhurst R. M., Baruch D. I., Brittain N. J., Ostera G. R., Wallach J. S., Hoang H. L., Hayton K., Guindo A., Makobongo M. O., Schwartz O. M. et al. Abnormal display of PfEMP-1 on erythrocytes carrying haemoglobin C may protect against malaria. *Nature* 2005; 435: 1117-1121 ***Cover article***

Tokumasu F., Fairhurst R. M., Ostera G. R., Brittain N. J., Hwang J., Wellems T. E. and Dvorak J. A. Band 3 modifications in *Plasmodium falciparum*-infected AA and CC erythrocytes assayed by autocorrelation analysis using quantum dots. *Journal of Cell Science* 2005; 118: 1091-1098

Zborowski M., Ostera G. R., Moore L. R., Milliron S., Chalmers J. J. and Schechter A. N. Red blood cell magnetophoresis. *Biophysical Journal.* 2003; 84(4): 2638-2645

Dawson K. J., Conaghan J., Ostera G. R., Winston R. M. and Hardy K. Delaying transfer to the third day post-insemination, to select non-arrested embryos, increases development to the fetal heart stage. *Human Reproduction* 1995; 10: 177-182