Christopher J. Pappas, Ph.D.

Associate Professor and Director of Laboratory Safety, Biology at Manhattanville College

Purchase, NY, US

An expert in Borrelia burgdorferi, the etiologic agent of Lyme disease.

Biography

Classically trained as a molecular microbiologist, Dr. Pappas teaches students in lectures and laboratories within the disciplines of general biology, parasitology, genetics, molecular biology, biochemistry, and nutrition. His research has included studies involving Borrelia burgdorferi, the etiologic agent of Lyme disease, in which he focused specifically on the the survival of the bacteria when inside the tick. His current research interests include genetic mechanisms of survival within saprophytic Leptospira, as well as other vector-borne and enzootic diseases. Outside of the laboratory and classroom, Dr. Pappas is involved in community activities such as judging at annual science fairs and working within Manhattanville College?s Organic Community Garden.

Areas of Expertise

Lyme Disease, Ticks and Tick Borne Diseases, Leptospirosis, Lab Safety / OSHA Regulations

Affiliations

Member, Council on Undergraduate Research, Full Member, Sigma Xi Scientific Research Society, Member, American Society for Microbiology, New York City Branch, Member, American Society for Microbiology, Member, New York Academy of Sciences, Chair, Faculty Budget Committee, Founder and Chair, Laboratory Safety Committee, Manhattanville College

Selected Event Appearances

Identification of Molecular Mechanisms of Adaptation to Osmotic Stress in Leptospira biflexa
Gordon Research Conference: Biology of Spirochetes, January, 2018

An Enhancer Binding Protein Affects RpoN Regulated Gene Expression in Leptospira interrogans
Gordon Research Conference: Biology of Spirochetes, January, 2016

Development of Genetic Manipulation Tools for Use in Leptospira spp. has provided Insight into the Biology of Pathogenic Leptospires
Gordon Research Seminar: Biology of Spirochetes, January, 2016

Development of Genetic Manipulation Tools for Use in Leptospira spp. has Provided Insight into the Biology of Pathogenic Leptospires
6th Annual Young Researchers in Life Sciences Conference, May, 2015

Formate Hydrogenlyase Activator (FhlA) Enhances RpoN Regulated Gene Expression in Leptospira interrogans
7th International Conference on Emerging Zoonosis, October, 2014.

Education

New York Medical College
Ph.D. Microbiology & Immunology

New York Medical College
M.S. Microbiology & Immunology

Syracuse University
B.S. Psychology, Biology and Neuroscience

Accomplishments

Faculty Member of the Year Award.
2013 Awarded by the Student Government Association, Manhattanville College

Martha Lucas Pate, Ph.D. Memorial Award.
2011 For demonstration of academic excellence and leadership in social and humane concerns in medicine, science, and health

1st Place, Poster Presentation.
2010 ?Borrelia burgdorferi Glycerol-3-Phosphate Dehydrogenase (GlpD) is Important for Spirochete Maintenance in the Tick.?, New York Medical College 22nd Annual Graduate Student Research Forum, Valhalla, NY

1 st Place, Oral Presentation
2009 ?Borrelia burgdorferi Glycerol-3-Phosphate Dehydrogenase (GlpD) Is Important for Spirochete Maintenance in the Tick.?, New York Medical College 21st Annual Graduate Student Research Forum, Valhalla, NY

2nd Place, Poster Presentation.
2008 ?Borrelia burgdorferi Glycerol-3-Phosphate Dehydrogenase (GlpD) is Involved in Temperature-Dependent Stationary Phase Adaptation.? New York Medical College 20th Annual Graduate Student Research Forum, Valhalla, NY
