

Provost Fellows 2011-2012, 2012-2013

The Cummings School of Veterinary Medicine:



Jerlyn K. Sponseller

About Jerlyn's Research & Interests:

At the Cummings School of Veterinary Medicine, I hope to use my background in public health and my experience as a clinical veterinarian to study infectious disease. My goal is to contribute substantively to global health by helping to reduce the deleterious impact of infectious diseases on developing nations.

The Graduate School of Arts & Sciences:



Caroline Eastman

About Caroline's Research & Interests:

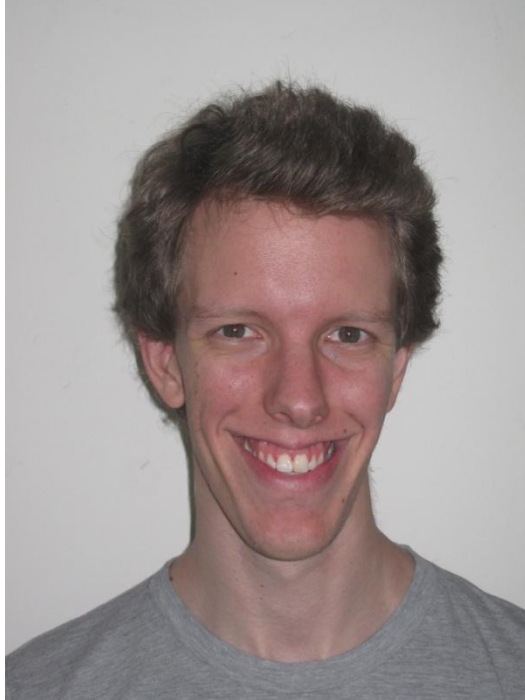
My interests can broadly be defined as the learning, memory, and cognition of organisms; more specifically, I am interested in the processes behind how organisms learn spatial information. As an undergrad in Savannah, I worked on spatial cognition research which used virtual environments to explore how humans learn to navigate and orient themselves in unfamiliar locations. At Tufts I will be working along the same line on a project which explores the roles of metacognition and working memory in spatial learning.

Lise Chlebak

About Lise's Research & Interests:

My previous research has been in the field of harmonic and functional analysis. Specifically, I worked with a family of oscillatory integral operators to find boundedness results on weighted L^p spaces. However, I am also interested in the more topological and applied branches of mathematics.





Christopher O'Donnell

About Chris' Research & Interests:

I have a preliminary interest in abstract algebra. In particular, I think algebraic geometry is pretty interesting.

Emma Schneider

About Emma's Research & Interests:

I am interested in literature's interpretations of cultural norms and historical events. In particular, I hope to explore how novels of nineteenth century England and America comment on societal expectations of women, especially of female authors and readers. As part of this study, I take particular interest in literature written for girls and young women that focuses on proper interpretation of social behaviors.





Emily Pitcairn

About Emily's Research & Interests:

Emily Pitcairn is a first year Biology PhD student who recently graduated with a B.S. in Biology from University of Central Florida. Her research will focus on exploring insect lipids as a potential biocompatible fuel source for robotics.

The School of Engineering

Kaori Graybeal

About Kaori's Research & Interest:

I am interested in musculoskeletal tissue engineering and stem cell research, with the more specific goal of developing tendon and ligament tissue replacements. Tendon and ligaments are frequently subjected to high mechanical loads in the body and are therefore susceptible to damage, yet they have very poor self-regenerative capacity. As such, tendon and ligament injuries often require surgical intervention, which frequently leads to further complications. The ideal treatment for tendon/ligament injuries would be a living tissue implant which allows the tissue to restore itself to its healthy, pre-injured state - a treatment which is the ultimate goal of the field of musculoskeletal tissue engineering.



Fletcher School of Law and Diplomacy

Prisca Benelli

About Prisca's Research & Interests:

At Fletcher, I am specializing in the fields of humanitarian studies and human security. More specifically, I am interested in the phenomena of forced and mixed migrations, especially when directed toward less developed countries. I am interested in gaining a deeper understanding of the lives and livelihoods of forced migrants, especially when they settle in urban areas.



Andrew Tirrell

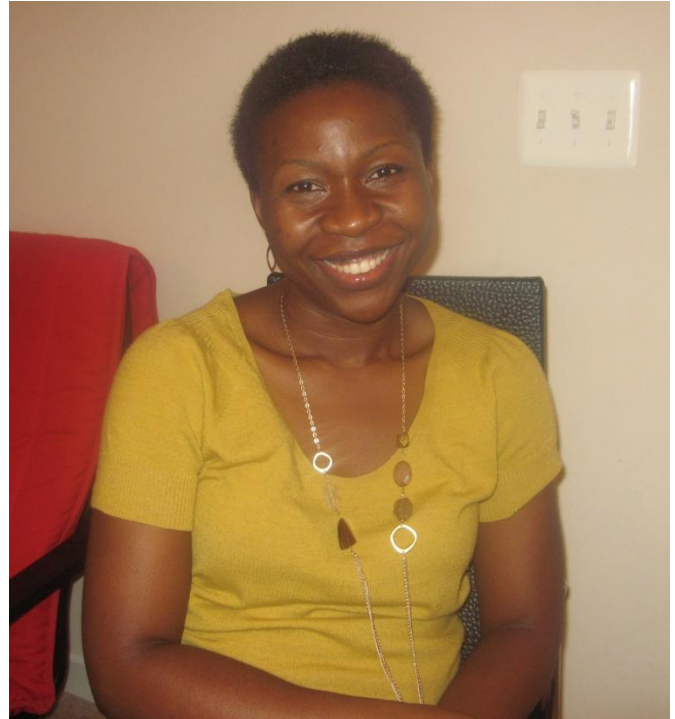
About Andrew's Research & Interests:

I am a human rights attorney who focuses my doctoral research at the Fletcher School on rights-based approaches to natural resource management and development. My past field work has centered on human rights and natural resources in indigenous communities in Latin America. My current research, as a member of the interdisciplinary NSF/IGERT Water Diplomacy program, explores trans-boundary water management in South and Southeast Asia, scaling issues in the fields of international development and resource management, and participatory approaches to international environmental initiatives.

Tolulope Olofinbiyi

About Tolu's Research & Interests:

My interests include Development Economics and International Political Economy. My dissertation research will focus on the political economy dynamics of public spending in Nigeria as well as the impact of public expenditure decisions on outcomes such as agricultural productivity growth. I earned my BA degree in Agricultural Economics from University of Agriculture, Abeokuta in Nigeria, a MAB degree in Agribusiness from Texas A&M University, and a MALD degree in International Affairs from the Fletcher School.



The Sackler School of Graduate Biomedical Science

Kristina Cotter

About Kristina's Research & Interests:

I am interested in medical research, particularly in the field of cancer. I am primarily interested in examining signaling pathways and their role in both preventing and causing cancer. I would like to look at my research from a translational viewpoint, keeping in mind possible diagnostic tools and therapies for cancer patients.

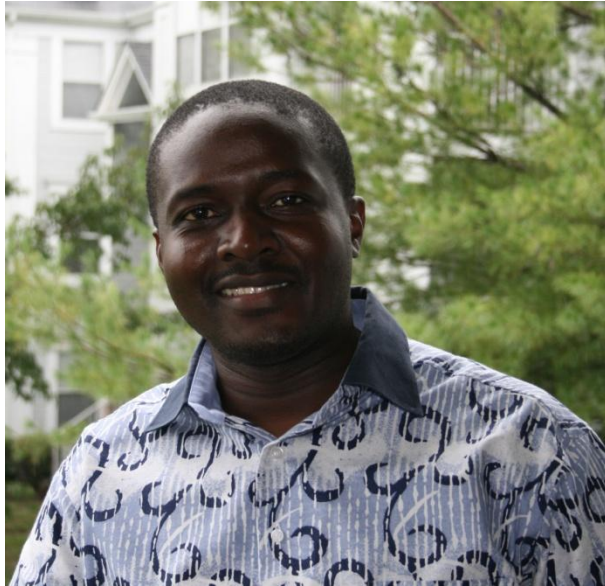


Claire Metrick

About Claire's Research & Interests:

I am primarily interested in protein structural biology. Structural changes to proteins are inherent in disease systems and range from accidental mutations of host proteins to the conformational shifts that drive a pathogen's mechanism of infection. Since these changes often elucidate targets for pharmaceutical intervention, I am interested in studying the structures of proteins that play vital roles in disease processes and using the found characteristics to guide therapeutic agents and technologies.

The Friedman School of Nutrition and Policy



Marc Nene

About Marc's Research & Interests:

My general interest resides in the relationship between nutrition and poverty in developing countries. At the Friedman School, I would like to explore the feasibility of large scale multisectoral nutrition interventions in low and middle income countries. More specifically, I would like to better understand how the linkages between the nutrition sector and other sectors such as agriculture, health, and water can be leveraged to enhance the impact of nutrition programs in the context of poverty reduction strategies.

Max Prokopy

About Max's Research & Interests:

I am interested in the effects ancestral diets have on health biomarkers as pertains to risk of chronic disease. I hope to fold this topic into an examination of how lifestyle factors affect gene expression.

