



DEPARTMENT OF PHYSICS AND ASTRONOMY

Postdoctoral position in the biophysics of pathogenic parasites

A postdoctoral position is available in the laboratories of Drs. Joshua Alper (Physics and Astronomy) as primary mentor, and Kimberly Paul (Genetics and Biochemistry), and Lukasz Kozubowski (Genetics and Biochemistry) as secondary mentors at Clemson University.

We are seeking a highly motivated individual with an interest in combining experimental and modeling approaches to research on the biophysical mechanisms of pathogenic parasites. This multi-disciplinarily, highly collaborative project involves making single-molecule and cell biophysical measurements and performing biochemical and genetic experiments on trypanosome and pathogenic yeast cells.

The ideal candidate has a PhD in biophysics or a closely related field and experience with optical tweezers, high-resolution microscopy, general biochemical and molecular biological techniques. Some quantitative modeling experience would be helpful. Candidates must have strong interpersonal skills, be proficient in oral and written English, have a publication record commensurate with experience, have an industrious work ethic, and the ambition to develop into an independent scientist.

The Alper (<http://alperlab.sites.clemson.edu/>), Paul (<http://paullab.org/>) and Kozubowski (<http://lkozubo.wixsite.com/kozubowski-lab>) Labs are in the College of Science and are affiliated with the Eukaryotic Pathogens Innovation Center - <http://www.clemson.edu/centers-institutes/epic/> - at Clemson University. The University has a vibrant research community consisting of nearly 5000 graduate students and a growing number of postdoctoral fellows. Located in idyllic Clemson, SC in the foothills of the Appalachians, we are just minutes from the Appalachian Mountains and minutes from the City of Greenville. Clemson offers outstanding research as well as a reasonable cost of living.

Interested candidates should send an application package by email to Dr. Joshua Alper (alper@clemson.edu) consisting of: a cover letter describing scientific interests, experiences and career goals; a detailed CV with publication record; names, addresses and contact information for three references.

This position will be opened until filled. To ensure full consideration, please submit application materials by 7/22/2018.

Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status or genetic information. Clemson University is building a culturally diverse faculty and staff committed to working in a multicultural environment and encourages applications from minorities and women.