CAS Faculty Research Assistant Positions

**Biology**

Research Assistant Position: 10 hours weekly  
Supervisor: **Celeste Peterson, Biology Department**  
Contact: cnpeterson@suffolk.edu or 617.573.8249  
Description: RA needed to assist with a number of laboratory based projects, including a study about protein degradation in the bacterium Escherichia coli. Tasks include making sterile media and buffers, carrying out protein purification, making and verifying genetic strains, starting polymerase chain reactions (PCR) and Western blots. The ability to keep a detailed laboratory notebook is required. Proficiency in basic lab skills (pipetting, sterile technique, media and buffer making etc) and good oral and written communication skills are useful but not required.

**Chemistry**

Research Assistant Position: 10 hours weekly  
Supervisor: **Kelsey Stocker, Chemistry Department**  
Contact: kstocker2@suffolk.edu or 617.573.8254  
Description: RA needed to assist with a computational investigation of a chemical reaction mechanism. Tasks include research, data analysis, and reporting of results. The RA will be asked to draw molecular structures, create input files, submit software calculations, monitor calculation progress, visualize structures, and compile results. Required skills: Basic computer skills (Microsoft Office, copy/paste, etc.) and General Chemistry II (CHEM-112/L112) experience. Helpful, but not required skills: Unix/Terminal command knowledge, Organic Chemistry II (CHEM-212/L212) experience, molecular editor programs (Avogadro, ChemDraw), molecular visualization software (VMD)

**Psychology**

Research Assistant Position: 10 hours weekly  
Supervisor: **Jessica Graham-LoPresti, Psychology Department**  
Contact: Jessica.Rose.Graham@gmail.com or 412-779-6261  
Description: RA needed to assist with a number of projects, including a cross-sectional study exploring the impact of racism on mental health and a study exploring the effectiveness of a workshop addressing racism-related stress. Tasks include literature searches, writing, editing, development of recruitment materials and strategies, maintenance of the project database, data management, and communication with study staff as well as participants. In addition, the RA will be asked to contribute to publication efforts including literature searches, references, and proofreading/editing (opportunities for authorship can be discussed). It is important that the RA be detail oriented, timely, able to check and respond to email daily, have experience with Microsoft Office, as well as experience engaging in literature searches. Interest in issues related to racism, marginalization and/or mental health preferred.