NOW HIRING: Lab Techniques Instructor

The GenOM/ALVA program is seeking (2) Laboratory Techniques Instructors for 6 days starting June 22, 2015 and ending June 29, 2015. The purpose of this position is to provide instructional leadership in the use of laboratory tools and techniques using DNA to provide 14 incoming UW STEM freshmen with experience in advanced laboratory techniques in genomics and biology.

The curriculum focuses on intensive topics such as DNA structure and function, DNA extraction, restriction enzyme analysis, polymerase chain reaction (PCR), and gel electrophoresis. There will be an emphasis on developing laboratory skills such as accurate pipetting, solution making, dilutions, using sterile techniques, and keeping a meticulous scientific notebook. These skills and techniques will help students gain an awareness of the importance of laboratory techniques in genomics and other life science departments.

Position Dimension and Impact to the University:

- This position supports improved advanced laboratory techniques in genomics for incoming freshmen who will ideally be eligible for various diversity and academic programs within STEM fields.
- This position will directly impact the GenOM/ALVA program’s mission to increase diversity, particularly to increase the numbers of underrepresented minority and women students graduating with STEM degrees.
- This position may also contribute to general student supervision during program activities, and/or contribute to additional STEM related workshops in other laboratory based classrooms and course work.

Duties & Responsibilities:

**Classroom Instruction and Management – 70%**

- The instructors will lead daily lectures related to DNA and genetics.
- Facilitate 1-2 labs every session for 14 students.
- This position will require 6 hours of daily instructional activities and an expected additional 3 hours daily for preparation, evaluation and grading time for every hour of instruction.
  
  *** Planning will need to begin prior to the start of the program.

**Student Evaluation and Curriculum Design – 25 %**

- The instructors will oversee skills evaluation of GenOM/ALVA students. The instructor will also design and structure curriculum and daily lesson plans accordingly.
- The instructors will design testing tools, guidelines, and goals for the observation of student progress; may use existing models and templates.
- The instructors will supervise grading and solicit program staff for observation of student progress.
- Independent time for grading and curriculum design.

**Other – 5%**

- Other duties as assigned.

Qualifications:

- Required: Completion of Intro to Bio Series (180/200/220); would prefer completion of a BS or MS in a life sciences field.
- Preferred 2 years of previous teaching experience, ideally at the freshman level and/or prior participation in GenOM/ALVA Laboratory Techniques Course.
- Experience with and understanding of the challenges faced by underrepresented minority and female students in STEM fields.

Compensation:

- Stipend of $1500

Please send a cover letter and resume to Gregory Diggs at diggsyng@uw.edu by the end of the day on Monday, May 18, 2015.