

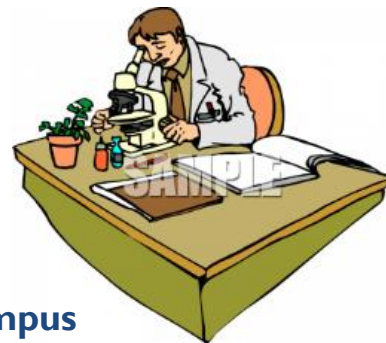
**Stockton University Presents**  
**An Exciting Professional Development Opportunity**  
**for High School Biology Teachers**

**Extending the High School**  
**Biology Laboratory – Part II**

**Friday, March 10, 2017**

**9:00 am-1:30 pm**

**Unified Science Center on the Stockton University Campus**



One of the classical high school biology laboratories is to measure protein, fat and sugar content in various foods. This workshop will provide participants with another and more quantitative methods which can be applied to this typical high school biology laboratory. Participants will be introduced to a lab method that will separate and characterize the individual proteins in various types of foods. Sodium dodecyl sulfate polyacrylamide gel electrophoresis (SDS-PAGE) will be used to separate a mixture of proteins into its individual components and the amino acid composition of each individual protein will also be analyzed using high performance liquid chromatography (HPLC).

While these methods are not done at the high school level, Biochemistry/Molecular Biology majors at Stockton will be expected to do service learning projects to assist teachers by providing results to the supplement or helping to design novel experiments for high school science teachers. **There will be an opportunity during the workshop to discuss and identify other science labs that could be extended with additional analysis.** This workshop is supported by funds from Scholarship of Engagement by Stockton University.

**This workshop is FREE to participants but preregistration is required at**  
[www.etc.net](http://www.etc.net)

**Search by Date (March 10, 2017) or Keyword (Biology)**

**Workshop Instructor:**

**Dr. Kelly Keenan, Associate Professor of Chemistry, Stockton University**

**Professional Development Hours will be available.**

**For more information or to register for this workshop please visit [www.etc.net](http://www.etc.net).**  
**If you need additional information regarding this workshop please call 609-626-3850.**