

Position: Post-Doctoral Fellowship

Department: K.L. Maddy Equine Analytical Chemistry Laboratory, California Animal Health and Food Safety Laboratory System, School of Veterinary Medicine, University of California, Davis

Description: A post-doctoral fellowship is available immediately in the K.L. Maddy Equine Analytical Chemistry Laboratory (EACL), California Animal Health and Food Safety Laboratory System, School of Veterinary Medicine, UC Davis. The Maddy lab provides drug testing services to the performance horse industry and is a world leader in equine anti-doping and pharmacology research. Research areas include expanding anti-doping method development for ultra-high sensitivity and specificity in screening and quantitation of small and large molecules (LC-MS/MS, High Resolution Accurate Mass – Mass Spectrometry). Various equine cohorts are being studied using Orbitrap technology-based workflows for the quantitation of xenobiotics and metabolites in urine and serum to control drug abuse in equine athletes.

Self-motivated scholars that demonstrate passion for research and a comprehensive working knowledge of common laboratory techniques in the field of analytical chemistry are encouraged to apply. The primary purpose of the position is to develop new or advanced methodologies and disseminate these findings in peer-reviewed academic publications.

Examples of principal duties and responsibilities:

- Conduct a specified program of research and scholarship under the supervision and direction of the Principal Investigator.
- Engage in appropriate training and professional development opportunities as required by your Principal Investigator, the School, or the University.
- Support your Principal Investigator and research group in the design and development of the research program.
- Support, if required, the development of proposals for research funding.
- Engage in the dissemination of the results of the research in which you are engaged as directed by and with the support of and under the supervision of your Principal Investigator.
- Engage in the wider research and scholarly activities of your research group and School.
- Carry out administrative and management work associated with your program of research.

Qualifications: A Ph.D. in Analytical Chemistry, Chemistry, or relevant field with experience using LC-MS is preferred. Fluency in English is essential.

Salary Range: \$48,216 – 58,560

Applications: Interested applicants should submit a CV and three references to Dr. Scott Stanley, sdstanley@ucdavis.edu. Position available immediately.