Nano Environmental Scientist/Toxicologist Post-doctoral Associate/Fellow (Baylor University)

Position Description
The “Emerging Technologies & Environmental Health” Research and Training Program at Baylor University is seeking an individual for a full-time Post-doctoral Associate/Fellow position to contribute to advanced materials & environmental health research. The Post-doctoral Associate will work with Dr. Christie M. Sayes and her team located in the Baylor University Science Building (BSB) in Waco, Texas. Principal responsibilities include particle/material production, analytical instrumentation, and biological model development related to toxicology, medicine, or environmental science. An ideal candidate will have experience in project management, publications, and mentorship. Technically, an ideal candidate will have expertise in chemistry, biochemistry, and/or biology techniques, as well as an appreciation for physicochemical characterization. The candidate will support multidisciplinary projects of significant technical complexity in the broad areas including agriculture and pharmaceutical industries. The candidate will be expected to collaborate with colleagues on various projects and develop new relationships through networking opportunities, which include presentations at domestic and international scientific meetings and conferences. Lastly, the candidate is expected to publish their results and develop new proposals for funding.

Other Responsibilities
• Practice aseptic technique in the laboratory;
• Prepare standard operating procedures (SOPs);
• Maintain a clean and orderly laboratory environment;
• Assure compliance with guidelines for hazardous waste;
  o Maintain safe chemical waste storage within the laboratory and provide for proper neutralization and disposal of acids and bases;
  o Completion of new employee lab safety orientation with EH&S; and
• Develop experiments in a way which minimizes the amount of waste generated.

Qualifications:
• Completion or expected completion of a PhD in chemistry, biochemistry, biology, environmental science, or similar;
• Knowledge of nanoparticle-related chemistry and biology is a plus;
• Familiarity with good laboratory practices and analytical instrumentation (e.g. spectrometry or microscopy);
• Excellent knowledge of MS Suite, Adobe Suite, statistical analyses and graphical software;
• Strong analytical thinking and creative ability to solve problems that arise without compromising data quality;
• Transparent and effective communicator with project team members and other staff;
• Self-motivated with a strong attention to detail;
• Demonstrated ability to work both independently and as part of a larger team; and
• Ability to travel and present research at conferences around the world.

Interested applicants can contact Dr. Christie Sayes, PhD (christie_sayes@baylor.edu) with “Post-doctoral Associate/Fellow Position” in the subject line of the email. Please include a cover letter and curriculum vitae (CV).

Position start-date is flexible and available until December 31, 2020. Continuation of position is contingent upon successful work performance and availability of funding.