Postdoctoral Fellow Position at the University of Texas at Austin

A position is available for a Postdoctoral Fellow mentored by Prof. Lea Hildebrandt Ruiz and Prof. Pawel K. Misztal at The University of Texas at Austin (UT Austin). The position is funded primarily by the Camille and Henry Dreyfus Postdoctoral Program in Environmental Chemistry [http://dreyfus.org/awards/postdoctoral_program.shtml](http://dreyfus.org/awards/postdoctoral_program.shtml)

The Fellow’s proposed work would focus primarily on the effects of chlorine atoms (Cl) on outdoor and indoor air quality in the context of a broad range of volatile and semivolatile organic compounds. The Fellow would lead environmental chamber experiments on this topic as well as outdoor and/or indoor measurement campaigns. All experimental work would utilize state-of-the-science mass spectrometric instrumentation including a FIGAERO-HR-ToF-CIMS (Filter Inlet for Gases and AEROsols coupled to a High Resolution Time of Flight Chemical Ionization Mass Spectrometer) and a Proton Transfer Reaction Time of Flight Mass Spectrometer (PTR-TOF-MS).

The Fellow’s assignment will be in the Department of Chemical Engineering and the Center for Energy and Environmental Resources at the University of Texas at Austin, the home of several research groups focusing on outdoor and indoor air quality. The Fellow will have the opportunity to participate in the Center’s other active research projects including the effects of unconventional oil and gas exploration on atmospheric composition, ambient measurements in New Delhi, India, exposure of human cells to air pollutants, and the chemistry of indoor environments, including quantification of emission rates from indoor materials and microbiomes. The Fellow would interact and collaborate with numerous research groups within and outside of UT Austin.

Applicants should hold a Ph.D. in Chemical Engineering, Environmental Sciences/Engineering, Atmospheric Sciences/Chemistry or a related field. Experience with chemical ionization mass spectrometry and/or other advanced mass spectrometric instrumentation is preferred. The starting date is flexible but should be in 2019. The initial appointment will be for one year, with the expectation of renewal for at least one year upon satisfactory performance. For further information please contact Dr. Lea Hildebrandt Ruiz. To apply, please e-mail a curriculum vitae, contact information for three references, and a 1-paragraph statement of interest to Dr. Lea Hildebrandt Ruiz (lhr@che.utexas.edu).