

Postdoctoral Fellow Position at the University of Texas at Austin

A position is available for a Camille and Henry Dreyfus Postdoctoral Fellow mentored by Dr. Lea Hildebrandt Ruiz <http://faculty.engr.utexas.edu/hr-group> at The University of Texas at Austin (UT Austin). The position is funded by the Camille and Henry Dreyfus Postdoctoral Program in Environmental Chemistry http://dreyfus.org/awards/postdoctoral_program.shtml

The Fellow's proposed work focuses on the effects of chlorine atoms (Cl) on outdoor and indoor air quality, and the Fellow would lead environmental chamber experiments and an ambient measurement campaign on this topic. Depending on the Fellow's availability, the Fellow would also participate in a major indoor air quality campaign in June 2018 at UT Austin. 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 an ACSM (Aerosol Chemical Speciation Monitor).

The Fellow will be a member of Dr. Hildebrandt Ruiz's vibrant and diverse research group and have the opportunity to participate in the group's other active research projects including the formation and fate of alkyl nitrates, the effects of unconventional oil and gas exploration on atmospheric composition, ambient measurements in New Delhi, India, and exposure of human cells to air pollutants. 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 would interact with numerous other research groups at UT Austin as well as other air quality research groups in Texas, especially during the ambient measurement campaign.

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 advanced aerosol instrumentation is preferred. The starting date is flexible but should be in 2018. 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 Prof. Lea Hildebrandt Ruiz (lhr@che.utexas.edu). Review of application will begin immediately.