

Postdoctoral Position at Georgia Tech (Aerosol Lipids Chemistry)

A postdoctoral position is available in the Ng group (<http://ng.chbe.gatech.edu/>) and Fernandez group (<https://ww2.chemistry.gatech.edu/fernandez/>) at the Georgia Institute of Technology starting Fall 2017. The successful candidate will investigate the origins of lipids with an emphasis on the role of particle-phase chemistry in atmospheric aerosols. The position will involve laboratory chamber studies. A large suite of state-of-the-art instrumentation is available for the project, including several high resolution Orbitrap and QTOF electrospray ion mobility-mass spectrometers, a High Resolution Chemical Ionization Mass Spectrometer (HR-ToF-CIMS) with an aerosol inlet (FIGAERO), a High Resolution Aerosol Chemical Ionization Mass Spectrometer (HR-ToF-AMS), and a 12T FTICR mass spectrometer. Participation in other related ongoing projects is also possible.

This position is within the Center for Chemical Evolution, a Phase II NSF-NASA Center for Chemical Innovation, which has participants at 9 institutions across the US. The CCE research projects at Georgia Tech are focused on understanding the emergence of functional biopolymers from plausible prebiotic precursors.

Applicants should hold a Ph. D. in Atmospheric Sciences, Organic/Physical Chemistry, Environmental Sciences/Engineering, Chemical and Biomolecular Engineering, or a related field. Knowledge and experience in operating advanced aerosol instrumentation (e.g., high resolution time-of-flight aerosol mass spectrometer, chemical ionization mass spectrometer) and conducting chamber experiments are preferred. Women and minority candidates are strongly encouraged to apply.

The initial appointment will be for one year, with the expectation of renewal for at least one year upon satisfactory performance.

To apply, please email a cover letter describing your research interests, a CV, and a list of three references to Prof. Nga Lee (Sally) Ng (ng@chbe.gatech.edu) and Prof. Facundo Fernandez (facundo.fernandez@chemistry.gatech.edu). Review of applications will begin immediately and continue until the position is filled.

Georgia Tech is a unit of the University System of Georgia and an Affirmative Action/Equal Opportunity Employer and requires compliance with Immigration Control Reform Act of 1986.