POSTDOCTORAL POSITION in ENVIRONMENTAL CHEMISTRY

Heterogeneous Transformation of Organic Compounds in Diesel Exhaust

Seeking recent PhD chemist/chemical engineer to conduct independent interdisciplinary research on airborne particle ‘aging’ in the presence of ozone, NOx and UV light. Successful applicants will conduct field and laboratory experiments to quantify the chemical/physical properties and transformation processes of fine and ultrafine vehicle-derived particles.

Candidates must have a Ph.D. in chemistry or chemical engineering; outstanding analytical chemistry and organizational skills and be motivated to apply their chemistry experience to environmental problems. Experience with organic chemical analytical methods (GC/MS, HPLC, ICP-MS, LC-MS, SFE) is essential. Familiarity with gas/particle sampling and characterization techniques (impactors, denuder, SMPS, ELPI, etc.) is preferred, but not required. *Excellent oral and written English communication skills required.*

**TO APPLY:** In addition to a *cover letter* (stating specific environmental interests and qualifications) and a *CV* (including names and contact information for three references) interested applicants should send a 2-3pg *research proposal* directly relevant to airborne particle chemistry to:

**Dr. Britt A. Holmén**  
Civil & Environmental Engineering Programs  
33 Colchester Ave, 213B Votey Hall  
University of Vermont  
Burlington, VT 05405  
baholmen@cems.uvm.edu  
(802) 656-8323

Applications should be received by **March 1, 2007** to receive full consideration.

**Start Date:** June 2007  
**End Date:** two-year commitment desirable.