

Department of Civil and Environmental Engineering  
Colorado State University

Postdoctoral Fellow in Air Toxics



The Department of Civil and Environmental Engineering at Colorado State University is seeking a Postdoctoral Fellow to work in Fort Collins, Colorado as part of a multidisciplinary team of engineers, physical and social scientists, and public-health practitioners to assess air pollution exposures across indoor and outdoor environments (with a primary focus on exposure to volatile organic compounds). The work requires knowledge of analytic chemistry and experience with thermal-desorption gas-chromatography mass spectrometry systems. This is a one-year appointment with the option to renew based on performance and availability of funding. View the full posting announcement and apply via the CSU Jobs Website: <https://jobs.colostate.edu/postings/90532>.

The position is based at Colorado State University in Fort Collins, CO. While most of the work would be based at CSU, some potential for involvement in fieldwork exists, and under such conditions, a willingness to be flexible and adaptable and to solve problems with a positive attitude are very useful. CSU is an EO/EA/AA employer and conducts background checks on all final candidates.

**Responsibilities:** The successful candidate will collaborate on research to characterize personal exposure to aerosols and volatile organic compounds in workplace, indoor, outdoor, and other microenvironments. The work involves the development and use of novel, low-cost sensor and sampling technologies and citizen-science approaches. The successful candidate will work closely with Drs. Ellison Carter and John Volckens at Colorado State University.

**Qualifications:** (1) Ph.D. in engineering, physical sciences, or related fields; (2) Experience in sampling and analysis of volatile organic compounds collected from air; (3) Must have a valid driver's license or the ability to obtain a driver's license or access to a licensed driver by the employment start date.

**Preferred Qualifications:** (1) Experience with thermal-desorption gas-chromatography mass-spectrometry systems; (2) Experience with field-based measurement of air toxics; (3) Experience with exposure science techniques; (4) Strong data analysis and programming skills.

**Salary and Benefits:** Colorado State University provides full academic year salary and excellent benefits. Salaries are competitive and commensurate with qualifications and experience. A benefits package is included (<http://www.hrs.colostate.edu/benefits/index.html>). Position has no re-location funds available.

**Deadline:** For full consideration, please apply by 11:59 pm MDT September 30, 2021. Applications will be accepted until the position is filled.

**To Apply:** A complete application must include all the following

- A cover letter;
- A curriculum vitae;
- Contact information for three references; references will not be contacted without prior approval.

If you have questions about this search, please contact Dr. Ellison Carter ([ellison.carter@colostate.edu](mailto:ellison.carter@colostate.edu)).