

PhD position in Organic Geochemistry Group at CU Boulder

The new **Organic Geochemistry Group** in the Department of Geological Sciences and the Institute for Arctic and Alpine Research (INSTAAR) at the **University of Colorado Boulder** is seeking a highly qualified and motivated student to pursue a **PhD in the field of Geobiology starting Fall 2015**. The PhD project will be centered on investigating the complex interplay between extreme climate variability and perturbations of marine ecology and extinction across critical boundary events during the mid- and late-Cretaceous. Research includes a variety of laboratory and analytical activities examining lipid biomarkers and compound-specific stable isotopes using newly recovered continental and ocean drilling cores, which will be complemented by a dynamic interaction with national and international collaborators in the fields of paleontology, geochemistry and biogeochemical modeling. Familiarity with organic and/or isotope geochemistry, paleo-environmental sciences, and data analysis are desired, but not essential. Applications from prospective students with proven academic and research excellence (Bachelor or Master level), and with a strong foundation in Earth sciences, chemistry, or related disciplines are particularly encouraged to apply.

Interested candidates should contact [Dr. Julio Sepúlveda](#) directly with any inquiries about this position (jsepulveda@colorado.edu) before submitting an application. Please include a brief interest statement and C.V. as a single PDF file.

The new Organic Geochemistry Group is part of an ongoing expansion in the field of Geobiology at CU, which includes partner research groups in isotope geochemistry and microbiology, in addition to existing groups in low temperature geochemistry, geomicrobiology, environmental biogeochemistry, astrobiology, and paleo-environmental sciences, among many others. The new Laboratory of Organic and Isotope Biogeochemistry will be located in the Sustainability, Energy and Environment Complex ([SEEC](#)), currently under construction, and is expected to begin its operation by the end of 2015. Our new lab will have dedicated technical staff and will be equipped with state of-the-art analytical facilities in organic and isotope geochemistry (GC-MS, HPLC-MS, GC-ir-MS).

As the flagship university of the state of Colorado, CU-Boulder is a dynamic community of scholars and learners with a proud tradition of academic excellence situated on one of the most spectacular college campuses in the country. Collectively, CU-Boulder researchers produce more papers in the geosciences—and generate more citations to those papers—than those at any other university in the world. For more information about CU Boulder, the SEEC building and its several related departments and institutes please visit:

University of Colorado Boulder ([CU Boulder](#))
Sustainability, Energy and Environment Complex ([SEEC](#))
Institute of Arctic and Alpine Research ([INSTAAR](#))
Department of Geological Sciences ([GEOL](#))