University of Colorado Boulder

PhD position – Organic Geochemistry Group at CU Boulder

The **Organic Geochemistry Group** in the Department of Geological Sciences and the Institute of Arctic and Alpine Research (INSTAAR) at the University of Colorado Boulder is seeking for prospective students interested in pursuing a fully funded PhD in Geosciences in the field of paleoclimatology.

NSF FRES Program – Collaborative Research: Terrestrial Ecosystem Recovery after the Cretaceous/Paleogene Mass Extinction in the Denver and Williston Basins of North America. This newly funded award seeks to identify factors involved in terrestrial ecosystem recovery during the first one million years following the last mass extinction of life on Earth at the Cretaceous/Paleogene (K/Pg) boundary. Research includes field, laboratory, analytical, and outreach activities examining lipid biomarkers and their stable isotope composition for the reconstruction of past changes in wildfires, vegetation, temperature, and the hydrological cycle using samples from several K/Pg sections in North America. The project includes close collaboration with a diverse team of vertebrate paleontologists, paleobotanists, and geochemists from eight different institutions led by the Denver Museum of Science and Nature. See links below for further information:
New NSF award in the Organic Geochemistry Group at CU Boulder
Denver Museum Of Nature & Science Receives Its Largest Research Grant Ever From NSF

Applications from students with a robust foundation in Earth sciences, or related disciplines, and from diverse backgrounds and traditionally marginalized groups in STEM fields, are particularly encouraged to apply. Familiarity with organic and/or stable isotope geochemistry, paleo-environmental sciences, and data analysis is desired, but not essential. The Organic Geochemistry Group is a diverse group of researchers from different backgrounds and nationalities that welcomes, embraces, and fosters diversity. Our state of-the-art analytical facility is equipped with instrumentation in gas and liquid chromatography coupled to low- and high-resolution mass spectrometry. 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. See links below for further information:
Organic Geochemistry Group at CU Boulder
Department of Geological Sciences - Prospective Students
Department of Geological Sciences - Admissions
Institute of Arctic and Alpine Research

Prospective candidates interested in applying are encouraged to contact **Dr. Julio Sepúlveda** (**jsepulveda@colorado.edu**) with a brief statement of interest and a CV/resume as a single PDF file. Please note the different deadlines for admissions in the Department of Geological Sciences: December 1st for international students and December 15th for domestic students.

Prof. Julio Sepúlveda
Department of Geological Sciences and Institute for Arctic and Alpine Research (INSTAAR)
University of Colorado Boulder
450 UCB, Boulder, Colorado 80309-0450
email: jsepulveda@colorado.edu