

Specialist Position

KCCAMS/UCI Facility, Irvine, California, USA

Initial salary range \$45K - \$55K (plus full benefits)

The Department of Earth System Science at UC Irvine has an immediate opening for a Specialist to support operations of the W. M. Keck Carbon Cycle Accelerator Mass Spectrometer (KCCAMS).

The overall mission of the Keck facility is to use isotopes (primarily ^{14}C) to study the carbon cycle and its relationship with climate. We use ^{14}C as a dating tool for placing paleoclimate records in time, and we also use $\delta^{13}\text{C}$ and $\Delta^{14}\text{C}$ measurements in soils, sediments, land and marine biota, carbonates, organic matter, atmospheric gases, and individual organic compounds, as tracers for the carbon cycle.

We seek a highly motivated experimental scientist to work as a specialist in ^{14}C Accelerator Mass spectrometry. The successful applicant will work in a team that performs research and development of techniques to study the carbon cycle. Following the appropriate training, the successful candidate will assist in the processing of in-house and external samples for research in terrestrial carbon cycling through the KCCAMS sample preparation laboratory, help visiting researchers and students, help on training of laboratory assistants, and also participate in sample measurement using our AMS compact system, data analysis, and technical development as part of the overall activity of this research group. The successful applicant will also be encouraged to collaborate scientifically in program areas of the laboratory.

Applicants should have an M.S. or higher degree in Physics, Chemistry or Earth Science, or equivalent experience. Experience in AMS sample preparation and spectrometer operation and familiarity with carbon cycle research and radiocarbon methods is desired. Appointment level and salary will be commensurate with qualifications and experience, based on University of California salary scales. The Specialist series are term positions, and the appointment will initially be made for two years. However, it is anticipated that this will be a long term position, contingent on continued funding for the laboratory.

Your application must be followed by cover letter, a curriculum vitae including names and contact information for three referees, and should be address to Dr. John Southon or Dr. Guaciara Santos, Dept of Earth System Science, U.C. Irvine, Irvine, CA 92697-3100; email jsouthon@uci.edu, gdossant@uci.edu. For further details please contact Dr. John Southon on +1 (949) 824-3674 or visit our web-page at www.ess.uci.edu/ams

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