

Junior Specialist – Geomorphic River Scientist

Search Plan & Position Description

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POSITION DESCRIPTION

We are seeking a highly motivated and enthusiastic individual to assist on multidisciplinary and innovative research at UC Davis Water Management Lab (<http://watermanagement.ucdavis.edu/>).

Under the direction and advisement of the Dr. Samuel Sandoval Solis (Principal Investigator) and Dr. Herve Guillon the candidate will:

Research (90%)

The Junior Specialist will work with Dr. Sandoval and Dr. Guillon to develop research related to river structure, sediment composition and overall to develop a hydro-geomorphic classification of impaired and unimpaired river setting for sustaining river ecosystems throughout the State of California. This effort will include the following activities

1. Develop research through the collection of hydrologic, geomorphic and river structure field data in rivers of the state of California
2. Participate in the development of scientific products for dissemination (e.g., reports and peer-reviewed journal articles).
3. Critically read scientific literature to inform cutting-edge and best practice research protocols
4. Provide scientific reviews in protocols to collect field data for sediment composition, river structure throughout the state of California.
5. Calibrate and use level surveyors, GPS units, and high resolution cameras to determine river structure and sediment composition of field sites.
6. Assist and lead other crew members for collecting field data.
7. Prepare equipment for collecting data in rivers of the State of California, and keep and provide records of field equipment maintenance and malfunctioning.
8. Develop the logistics for the field trips to collect data, which includes select adequate and accessible field sites, locations where data will be collected for each day of the field campaign.
9. Keep best practices for electronic documentation and organization of the data collected.
10. develop contingency plans for field trips related to lack of accessibility to field sites.
11. Independently perform tasks related to field data collection and maintenance of equipment
12. Develop a database of the data collected, implement best practices for data management, documentation, quality assurance and quality control.

Professional Competence (5%)

The Junior Specialist will participate in the development of scientific products for dissemination. This includes contributions to conference posters (e.g. American Geophysics Union), attendance at local conferences and meetings (such as those hosted by the California State Water Resources Control Board), and publication of peer reviewed journal articles (e.g. those in ecohydrology, geomorphology, Bioscience)

University and Public Service (5%)

Provide mentorship for undergraduate students and scientists helping to collect field data and researchers working at the Water Management Lab. Participate in the development of written reports and oral presentations to the California State Water Resources Control Board.

BASIC QUALIFICATIONS:

- Bachelor degree in ecology, biology, hydrology, marine sciences or any other natural resources science field with a minimum of 1 year of research experience in geomorphic data analysis and field data collection
- Experience in research related to hydrology, geomorphology and field data collection.
- Demonstrated experience in field methods, data collection and management, quality assurance and quality control
- Demonstrated experience in instruments and methodologies for accurate data collection, personnel management and logistics A positive, self-motivated, attitude, good people skills
- Excellent communication to explain clear instructions
- Ability to train people in the use of equipment
- Excellent problem-solving and skills to overcome technical and on the field challenges
- Demonstrated experience with collecting field data, logistics to organizes field trips and equipment maintenance

PREFERRED QUALIFICATIONS:

- Experience in sediment composition data collection
- Two years of experience in field data collection, logistics for field trips, and training a group of people
- Experience in best practices for documentation of data collected
- Experience in leading a wide arrange of group of people

SALARY RANGE: Step I - \$18.26 hourly

POSITION AVAILABLE/CLOSING DATE: For full consideration, apply by April 20, 2018 (subject to change depending on date of approval on Search plan). Applications received after this date will only be considered if the position has not yet been filled.

TERM OF APPOINTMENT: 58% for 2 years (starting latest May 1st, 2018) with the potential for increase to 65% time upon satisfactory progress.

TO APPLY: To apply, please go to the following link: <https://recruit.ucdavis.edu/apply>. Applicants should submit **cover letter** indicating how you meet the minimum and desirable qualifications, their **most recent CV** and **contact information for 2-3 recent references**. All letters of recommendation will be treated as confidential per University of California policy and California state law. Documents/materials must be submitted as PDF files.

QUESTIONS: Please direct questions to Anna Lee via email to metroexec@ucdavis.edu

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct> .

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check. More information is available <http://www.uscis.gov/e-verify>.

UC Davis is a smoke & tobacco-free campus (<http://breathefree.ucdavis.edu/>). If you need accommodation due to a disability, please contact the recruiting department.