



Human Resources  
888 N. Euclid Ave. #114 \* P.O. Box 210158  
Tucson, Arizona \* 85721-0158

(520) 621-3662 Telephone  
(520) 621-8299 TDD (8-5 M-F)

[Close Window](#)

## Position Information

Position Title	Postdoctoral Research Associate I
Job Number	47089
Department	2803-Chemical & Environmental Engr
College/Division	Engineering
Posted Rate of Pay	\$35,000 annually
Exempt / Non-Exempt	Exempt
Category	Appointed: Professional
Departmental Contact	Jo Leeming
Departmental Contact Phone	520-621-6044
Departmental Contact Email	leeming@email.arizona.edu
Job Open Date	02-22-2011
Job Close Date	Open Until Filled
Review begins on (Continues until position filled)	03-07-2011
Benefits Eligible	Yes
Full Time/Part Time	Full Time
Days and Schedule to be Worked	
Number of Hours Worked per Week	
Limited to current UA employees only	No
Documents required to be attached electronically with this application	Letter of Interest Curriculum Vitae
Documents that may be attached electronically or mailed directly to department per instructions below	
Additional application instructions (include instructions for submission)	
Position Summary	A Postdoctoral Research Associate position level 1 is available in the Department of Chemical and Environmental Engineering. This is a year-to-year position. The candidate will be expected to conduct research related to in vitro (cellular based) bioassays for the screening of water, biosolids, and other environmental matrices. The candidate will be working with a diverse group of experts in a core facility located at the BIO5

Institute. This state of the art facility provides access to comprehensive genomics and proteomics laboratories, biostatistics core group, and state of the art analytical instrumentation including LC-MS/MS (triple quadrupole), LC-MS/MS (quadrupole-time of flight), GC-MS/MS (triple quadrupole), LC and GC-ICP/MS, LC-DAD, LC-fluorescence, and others. The proper candidate must have experience in the use and development of cellular bioassays, including transient transfections with reporter gene plasmids. Beyond experience in bioassay analyses, the ideal candidate will have a working knowledge in any or all of the following fields: water treatment (i.e., advanced oxidation), analytical chemistry, biomarkers of disease, and QSAR/QSPR models. The successful candidate should have a proven track record of exemplary research including publications, presentations, and excellent communication skills.

The position will begin September 2011 (negotiable) for a minimum of one year, and may be renewed based upon research progress and continuity of funding.

Duties and Responsibilities	<ul style="list-style-type: none"> <li>* Conduct independent research on various aspects of in vitro and in vivo bioassays for the monitoring of contaminants in water and other environmental matrices.</li> <li>* Assist in managing research team of graduate students and chemists.</li> <li>* Maintain and manage bioanalytical laboratory.</li> <li>* Assist in coordinating the scientific publication output of the research team.</li> <li>* Represent the research team in various scientific conference and technical forums.</li> </ul>
Arizona Board of Regents Minimum Qualifications	Not applicable for this position.
Additional Minimum Qualifications	<p>Doctoral degree in Molecular Biology, Toxicology, Engineering, Chemistry, or related field.</p> <ul style="list-style-type: none"> <li>* Experience in instrumental analysis of trace organic chemicals in complex water matrices.</li> </ul>
Preferred Qualifications	<ul style="list-style-type: none"> <li>* Experience with in vivo bioassays using fish or other aquatic species.</li> <li>* Experience with the study of endocrine disrupting chemicals.</li> <li>* Experience in QSAR modeling and statistics.</li> </ul>
Pre-employment Screening Requirements	<p>The University of Arizona conducts pre-employment screening for all positions, which includes a criminal background check, verification of academic credentials, licenses, certifications, and work history. In addition, a check of names and identification documents is conducted on all new employees to ensure they are legally authorized to work in the United States.</p>
What kind of criminal background check is required for this position?	This position is non-security sensitive and requires a name-based criminal background check
Supplemental Pre-Employment Screening	None
Job Category	Postdoctoral Research
Departmental Home Page	<a href="#">Click Here</a>
Quick Link	<a href="http://www.uacareertrack.com/applicants/Central?quickFind=200470">www.uacareertrack.com/applicants/Central?quickFind=200470</a>

As an equal opportunity and affirmative action employer, the University of Arizona recognizes the power of a diverse community and encourages applications from individuals with varied experiences and backgrounds.

The University of Arizona is an EEO/AA - M/W/D/V Employer.

If a job is reposted, you will be unable to apply for it a second time. You can compare the job number of a posted job to the job number on the Application Status page to see if you have already applied for that position.

[Close Window](#)