**Postdoctoral research position in Biological and Biomimetic Composites**

Employer: University of California, Riverside  
Application Deadline: Open Until Filled  
Anticipated Start Date: 02/01/2018 – 04/01/2018  
Anticipated Position Duration: 1 – 3 years

**Job Description:** Postdoctoral research position opening in the area of biomimetics and biological composite materials. We are a research group investigating ultrastructure-mechanical property relationships in biological materials with the ultimate goal of producing strong and tough composites. The research is at the intersection of materials science, chemistry, biology and mechanics. The projects involve microscopic, spectroscopic and mechanical analyses of biological materials with development of nano-scaled composites. A great opportunity to pursue highly interdisciplinary science and have an opportunity to interact with PIs and researchers with diverse scientific backgrounds.

Previous experience working with nano-microstructural and mechanical analyses of biological composites (animal or plant) and biominerals or synthesis and testing of nanoscale composites is desirable. This includes extensive expertise with SEM, FIB, TEM, Raman and FTIR. Additional merit will be considered for those with polymer / fiber synthesis experience or 3D printing. Strong oral and writing skills are required. Selection will place emphasis on expertise, experience and previous publication record.

Interested applicants should send a detailed CV, along with a list of publications, and at least three letters of recommendation, preferably via email, to Prof. David Kisailus (david@engr.ucr.edu), 343 Materials Science and Engineering Building, 900 University Avenue, Riverside, CA 92507. In the cover letter, delineate specifically how your skills can be applied to the work in this lab.

**Contact:**  
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