**POSITION AVAILABLE:**

Postdoctoral Fellowship in Atomic Force Microscopy  
Postdoctoral Fellowship in Cellular & Molecular Biology

**SALARY:**

Dependent on qualifications and experience

**START DATE:**

Negotiable; Spring 2016 Preferred

**QUALIFICATIONS:**

**Both positions**: PhD in biological sciences, bioengineering or materials science is required. Must possess excellent interpersonal and communication skills and a demonstrated ability to work with others in a collegial team atmosphere.  
**AFM position**: Extensive experience with Atomic Force Microscopy (AFM) is required. Experience in measurement of biological tissues also necessary.  
**Cell position**: Experience in molecular biology techniques and cell culture required.

**RESPONSIBILITIES:**

**Research**: For the AFM position, the successful candidate must provide specialized, technical expertise in Atomic Force Microscopy to an active strongly interdisciplinary research program investigating topics relevant to the research areas of Ophthalmology and Cellular Biology. For the cell position, the successful candidate will be expected to conduct research using cellular and molecular biologic techniques on the impact of biophysical cues on modulating cellular behaviors. For both positions, Current projects investigate how changes in the compliance of the extracellular matrix influences cell compliance and how consequently a change in the cellular cytoskeleton leads to changes in the extracellular matrix. Collaborate with Principal Investigators in planning of project research goals and methods. Supervise students regarding the technical aspects of the research, including methods development, trouble-shooting problems, interpreting results and planning follow-up experiments. Publish research results in peer-reviewed journals, books and other outlets in collaboration with the PIs or other members of the research team. Assist in preparation of research grant proposals and grant award compliance.

**Professional Competence**: Participate in professional societies and conferences appropriate to specific field. Serve as a reviewer of research proposals and scientific publications as appropriate. Attend seminars to present research results and give oral presentations to public and professional interest groups or other settings as appropriate.

**Service**: University and public service through committee work, participation in professional organizations, and other appropriate means is encouraged but not required.

**APPLICATION PROCESS:**

To receive fullest consideration, applications must be received by April 1, 2016. Position open until filled. Interested applicants should submit via email the following materials to chermes@ucdavis.edu: 1) a letter of intent outlining special interest in the position, overall related qualifications and experience and career goals (please specify which position you are applying for); 2) curriculum vitae; and 3) the names and addresses of three professional references to:

Christopher J. Murphy, DVM, PhD; Paul Russell, PhD, and Sara Thomasy, DVM, PhD  
Attention: Christine Hermes (email: chermes@ucdavis.edu)  
Department of Surgical and Radiological Sciences  
School of Veterinary Medicine  
University of California  
Davis, CA 95616-8745  
Phone (530) 754-8357; FAX (530) 752-6042

The University of California, Davis, and The Department of Surgical & Radiological Sciences, School of Veterinary Medicine, are interested in candidates who are committed to the highest standards of scholarship and professional activities, and to the development of a campus climate that supports equality and diversity. The University of California is an Affirmative Action/Equal Opportunity Employer.