

University of Colorado Denver

**Research Associate
Department of Bioengineering
University of Colorado Denver
Anschutz Medical Campus in Aurora, CO.**

The Department of Bioengineering at UC Denver Anschutz Medical Campus in Aurora is seeking nominations and applications for the position of Research Associate in neural engineering in Professor Richard Weir's Biomechatronics Development laboratory. The successful candidate will lead the engineering development of a surgically implanted nerve cuff for a bidirectional optical interface in animal models. The work is funded by an NIH SPARC Initiative program technology development grant.

The primary duties of the position will be to perform mechanical design and integration of miniature optics in nerve cuffs, perform surgeries and conduct tests for stability of the design. This person must successfully lead and coordinate efforts among several interdisciplinary groups, as well as write up research results for reports and publications. The salary is negotiable, commensurate with experience. The appointment is a one-year, renewable appointment with a start date in the next few months. Review of applications begins immediately and will continue until the position is filled.

UC Denver is the premier research university in Colorado, serving more than 30,000 undergraduate, graduate and health professions students in Denver, Aurora and online and awarding nearly 4,000 degrees each year. The renowned researchers and award-winning faculty of UC Denver offer more than 100 degree programs through 13 colleges and schools. In 2008 the University was awarded more than \$371 million in research grants and contracts. The new Anschutz Medical Campus includes over 5 million square feet of research, educational and clinical space on 227 acres. The Downtown Campus is located in one of America's most vibrant urban centers, just steps from the Denver Center for Performing Arts, the LoDo District and the state capitol. On both campuses, students, staff and faculty have access to a broad array of academic, professional, community, recreational and cultural opportunities.

**Required Education/Experience/Skills:
(Minimum Qualifications)**

1. A Ph.D. in the field of Engineering
2. Minimum of 3 years' experience in surgical implants and mechanical design

Desired Qualifications:

Applicants with a strong research background in neural engineering and/or microscopy instrumentation development and experience in biological fluorescence imaging are preferred.

Special Instructions to Applicants:

1. A cover letter specifically addressing research experience and interests.
2. A current vitae/resume
3. The names, daytime telephone numbers, and email addresses for three professional references.

Questions should be directed to Richard Weir at Richard.Weir@ucdenver.edu