

JOB DESCRIPTION
UNIVERSITY OF COLORADO AT DENVER

SCHOOL/DEPARTMENT: **College of Engineering / Bioengineering**
HIRING UNIT: **Department of Bioengineering and Barbara Davis Center**

POSITION TITLE: **POSTDOCTORAL FELLOW**
POSITION CLASSIFICATION: **RESEARCH**
POSITION JOB CODE: **1438**
HRMS POSITION NUMBER: **702588**

Overall Description of Responsibility or Nature of Work

A postdoctoral research position in the field of Diabetes Research is available jointly between the Barbara Davis Center for Childhood Diabetes and the Department of Bioengineering, at the University of Colorado Anschutz Medical Campus. The candidate will initiate and develop research projects in the area of quantitative microscopy applied to understand pancreatic islet biology. This is a one-year position, renewable annually for up to 5 years. The salary structure is both attractive and nationally competitive. Other benefits include health/dental insurance, vacation/sick leave and access to all University facilities.

Specific Position Duties

We are interested in exploring the mechanisms regulating hormone secretion from the pancreatic islet and its dysfunction during the development of diabetes. The laboratory is especially focused on developing and applying quantitative live cell imaging techniques and studying the role of cell-cell communication and islet architecture in regulating hormone secretion. Proper understanding of these mechanisms will assist in identifying therapeutic drug targets and to improve islet transplantation and stem-cell therapies to treat diabetes. We utilize a wide range of experimental models including cell lines, animal and human tissue and mouse models. In addition to live-cell imaging, we also apply computational modeling, microfluidics and conventional physiological and biochemical techniques. The lab interacts with a number of other research groups across the Anschutz Medical Campus and at the University of Colorado at Boulder.

The candidate will report to Dr. Richard Benninger and will develop research projects within the Laboratory's core interests as well as with other laboratories to initiate new projects. The candidate will also have the opportunity to develop their own research interests. The candidate is also expected to assist Dr. Benninger in writing progress reports, manuscripts and grant proposals. The candidate must be highly motivated, and able to work independently and in an interdisciplinary team of engineers, biological scientists, clinicians, and industrial partners.

Qualifications:

Minimum Requirements:

- Ph.D. or equivalent degree in physical or biological sciences, engineering or related field.

Preferred Qualifications:

- Quantitative background.
- Experience with live-cell imaging.
- Experience working with animal models.

Salary & Benefits: Salary will be based on the current NIH postdoctoral pay scale guidelines, and is commensurate with skills and experience. The University of Colorado offers a full benefits

package. Information on University benefits programs, including eligibility, is located at www.cusys.edu/pbs.

APPLICATION:

- Applicants **must apply** through www.jobsatcu.com Job posting number: **815284**
- Review of applications will begin immediately and continue until position is filled.
- Required application materials:
 - 1) Cover letter
 - 2) Curriculum vitae, including list of publications and conference presentations and summary of past accomplishments
 - 3) Contact information for 3 professional work references

For any questions please contact Dr Richard Benninger: richard.benninger@ucdenver.edu

Special Notices to Applicants:

The University of Colorado at Denver is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final applicants being considered for employment. Background investigations include a criminal history record check, and when appropriate, a financial and/or motor vehicle history.

The Immigration Reform and Control Act require that verification of employment eligibility be documented for all new employees by the end of the third day of work. The University of Colorado strongly supports the principle of diversity. We encourage applications from women, ethnic minorities, persons with disabilities and all veterans. Alternative formats of this ad are available upon request for persons with disabilities.

Please be advised that the University does check references as part of the employment process, and selection committee members may choose to contact work references during the search process other than those listed in your application.

The University of Colorado is committed to diversity and equality in education and employment.