The Bankston lab in the Department of Physiology and Biophysics at the University of Colorado School of Medicine seeks energetic and creative scientists to join our research group at the level of postdoctoral fellow. The lab is focused on the study of the structure, function, and physiology of ion channels. In particular, we are interested in understanding the mechanism of Acid-sensing ion channel (ASIC) gating along with the structural mechanisms of ASIC regulation by accessory proteins. We make extensive use of patch clamp electrophysiology, fluorescence microscopy, protein chemistry, and structural methodologies in our research and the ideal candidate would have some experience in one or more of these areas and an overall enthusiasm for ion channel structural biology. The primary responsibilities of this position will be to design and execute experiments in collaboration with the primary investigator. The job will include wet lab experimentation, data analysis, literature review, and reporting of results at conferences and in journals.

**Minimum Requirements:**

- Ph.D. in Physiology, Biophysics, Biochemistry or related field.

**Knowledge, Skills and Abilities:**

- Demonstrated ability to work independently in at least one of the following areas: patch clamp electrophysiology, fluorescence imaging, protein chemistry/purification, solving protein structure
- The ability to use and learn new software for data acquisition and analysis.
- The ability to communicate well with the PI and fellow lab mates.
- Self-motivated, creative problem solver that can work independently as well as part of a team

**Preferred Qualifications:**

- Proven familiarity with ion channels
- An interest in structural biology
- Willingness to learn new fluorescence or biochemical approaches
- Preference given to candidates who are interested and eligible in securing their own funding in the form of training grants here at the university or through postdoctoral fellowships.
Salary and Benefits:
Salary 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 Employee Services.

The University of Colorado Denver is dedicated to ensuring a safe and secure environment for our faculty, staff, students and visitors. To assist in achieving that goal, we conduct background investigations for all prospective employees.

The University of Colorado strongly supports the principle of diversity. We encourage applications from women, ethnic minorities, persons with disabilities and all veterans. The University of Colorado is committed to diversity and equality in education and employment.

Application Materials Required: Cover Letter, Resume/CV, List of References Application Materials Instructions:

Applications are accepted electronically at CU Careers, refer to requisition 11228:

https://cu.taleo.net/careersection/2/jobdetail.ftl?job=11228&lang=en

When applying, applicants must include:

1. A letter of application which specifically addresses the job requirements and outlines qualifications
2. A current Resume/CV
3. The names, addresses, daytime telephone numbers and e-mail addresses for three professional references, either attached to your resume/CV or uploaded as a separate document