JOB DESCRIPTION
UNIVERSITY OF COLORADO ANCHUTZ MEDICAL CAMPUS

SCHOOL/DEPARTMENT: School of Medicine/Department of Medicine
HIRING UNIT: Division of Renal Diseases and Hypertension

POSITION TITLE: POSTDOCTORAL FELLOW/TRAINEE
POSITION CLASSIFICATION: RESEARCH FACULTY

Overall Description of Nature of Work:

The position is within the Clinical Vascular Physiology Laboratory in Division of Renal Diseases and Hypertension, led by Kristen Nowak, PhD, MPH. The Laboratory is conducting research investigating mechanisms contributing to vascular dysfunction in individuals with kidney diseases, and conducting clinical trials evaluating novel therapeutics to improve vascular function as well as slow kidney disease progression. We utilize a translational approach to identify integrative (systemic to molecular) physiological mechanisms as related to vascular dysfunction. The research group consists of both M.D. and Ph.D. researchers who are supported by grants from the National Institutes of Health, the Department of Defense, and the Veterans Affairs. The postdoctoral fellow will work directly with the principal investigator, Dr. Nowak, through a multidisciplinary approach emphasizing both research training and mentoring. The Clinical Vascular Physiology Laboratory is a state-of-the-art facility with equipment and established methodologies to measure vascular endothelial function, arterial stiffness, cerebrovascular function, and collect vascular endothelial cells. Dr. Nowak’s research projects include clinical trials evaluating interventions including lifestyle-based trials (e.g., intermittent fasting and weight loss), nutraceuticals and dietary supplements (e.g., curcumin and a caloric restriction mimetic), as well as new drug therapies (e.g. a novel anti-inflammatory agent) in populations with kidney diseases (chronic kidney disease, autosomal dominant polycystic kidney disease) spanning from childhood to older adults. The laboratory is also evaluating changes in cerebrovascular function in individuals with kidney diseases and the association with cognitive function. Additionally, the research team has expertise in epidemiology and utilizes numerous large datasets to investigate questions related to risk factors of cardiovascular disease and kidney disease progression. The position has support from the T32 - Ruth L. Kirschstein Institutional National Research Service Award grant.
**Job Responsibilities:**

The successful candidate will be highly-motivated and will work with Dr. Nowak on projects investigating mechanisms contributing to vascular dysfunction in individuals with kidney diseases, and conducting clinical trials evaluating novel therapeutics to improve vascular function as well as slow kidney disease progression. Duties will include planning, performing, analyzing, and overseeing clinical and translational research focused on vascular function. Previous experience with methodologies to assess vascular function in humans (e.g., flow-mediated dilation, pulse-wave velocity and/or transcranial doppler) are highly encouraged. The fellow is expected to take a leadership role in planning scientific activities and developing research projects, conducting reviews of scientific literature, training laboratory personnel in experimental techniques, participating in educational seminars and lab meetings, and writing grants and scientific publications. The candidate will be expected to work both independently and collaboratively. The research environment at the University of Colorado Anschutz Medical Campus and within the Division of Renal Diseases and Hypertension is outstanding and will support the successful career development of the candidate.

**Qualifications:**

**Minimum Qualifications:**
- Graduation from an accredited college or university with a PhD or MD and relevant experience in physiology, biology, nutrition, or a related field
- Proven experience and familiarity with performing clinical research
- Excellent communication and organizational skills
- Demonstrated ability to write scientifically as evidenced by peer-reviewed papers.
- **Candidate must meet the requirements of the T32 - Ruth L. Kirschstein Institutional National Research Service Award grant.**

**Preferred Qualifications:**
- Proven experience and familiarity with vascular physiology/biology
- Proven experience and familiarity with translational research methodologies

**Salary & Benefits:** Salary is commensurate with skills and experience and based on NIH guidelines. The University of Colorado offers postdocs most employee benefits. Information on University benefits programs, including eligibility, is located at [https://www.cu.edu/employee-services/benefits-wellness](https://www.cu.edu/employee-services/benefits-wellness). Postdoc-specific benefits are found here: [http://www.ucdenver.edu/faculty_staff/research/postdoctoral/Pages/default.aspx](http://www.ucdenver.edu/faculty_staff/research/postdoctoral/Pages/default.aspx)

**APPLICATION:**

Applicants must apply through [https://www.cu.edu/cu-careers](https://www.cu.edu/cu-careers) Job posting number 18333. Applications will be accepted until the position is filled and reviewed on a rolling basis. Required application materials:
1) Cover letter that specifically addresses the job requirements and outlines qualifications
2) Resume/CV
3) 3-5 professional references

Special Notices to Applicants:

The University of Colorado Anschutz Medical Campus 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 requires 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.