Overall Description of Responsibility or Nature of Work
This position reports directly to Dr. Hopp in the Division of Renal Diseases and Hypertension and is responsible for understanding the importance of the cystic microenvironment in Polycystic Kidney Disease progression. This position supervises graduate students and PRAs in the Hopp laboratory.

Areas of Responsibility / Scope of Research
Dr. Hopp’s laboratory studies Autosomal Dominant PKD (ADPKD) pathomechanisms. ADPKD is the most common monogenic renal disease worldwide with currently limited therapeutic options to alleviate disease burden characterized by progressive cyst growth and end stage renal disease. ADPKD has many molecular and cellular commonalities with cancer, in which the microenvironment has shown tremendous potential for therapeutic intervention. We are interested in studying the role of the microenvironment, specifically immune cells, in ADPKD progression and apply the knowledge gained from the cancer field to PKD. The project makes heavily use of PKD mouse models to understand the interplay between immune cells and cystic renal epithelial cells. Hence, a post-doctoral applicant should be familiar with utilizing mouse/rat models for basic/translational research including knowledge about mouse colony maintenance, genotyping, breeding of single, double, and triple transgenic lines, preclinical studies, and histopathological analyses. Additionally, background knowledge in immunology and immunological techniques (flow cytometry) are highly encouraged and experience with basic cellular, molecular techniques (Western blotting, PCR/qPCR, IHC/IF) and statistical analyses (Microsoft Excel/PRISM/JMP) are required.

Qualifications:
Minimum Requirements:
- Graduation from an accredited college or university with a PhD and or MD/PhD.
- Minimum of 2-year(s) experience in research

Desired or preferred:
- PhD in the field of PKD research and/or immunology
- Proven experience and familiarity with PKD systems and procedures
- Proven ability to work independently within a research lab
- Experience in mentoring PhD students/laboratory technicians
- Excellent communication skills in English
- Demonstrated ability/proficiency/excellence computer software, equipment operation, or research technical skills
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 www.cusys.edu/pbs. Postdoc-specific benefits are found here: http://www.ucdenver.edu/faculty_staff/research/postdoctoral/Pages/default.aspx.

Application:
- Required application materials:
  1) Cover letter
  2) Resume/Vitae

Special Notices to Applicants:
The University of Colorado Denver | 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.