



University of Colorado  
Anschutz Medical Campus

**University of Colorado Anschutz Medical Campus**

**Department: Medicine, Division of Renal Diseases and Hypertension**

**Job Title: Post-Doctoral Fellow**

**Position #: 00644705 – Requisition #:29674**

**Job Summary:**

The Division of Renal Diseases and Hypertension at the University of Colorado Anschutz Medical Campus has a long legacy in academic medicine. Our mission is to provide the highest level of medical care to patients, to train the next generation of academic leaders, and to expand on cutting-edge basic and clinical investigation in Nephrology. The Renal Division at the University of Colorado is one of the premier academic programs in the United States. Please explore our website to learn more about our state-of-the-art clinical, educational and research programs, and distinguished faculty members.

Dr. Katharina Hopp's laboratory studies Autosomal Dominant PKD (ADPKD) pathomechanisms. ADPKD is the most common monogenic kidney disease worldwide with currently limited therapeutic options to alleviate disease burden characterized by progressive kidney cyst growth and end stage kidney disease. ADPKD has many molecular and cellular commonalities with cancer, in which metabolism and immune cells within the microenvironment have shown tremendous potential for therapeutic intervention. We are interested in studying the role of these features in ADPKD progression and apply the knowledge gained from the cancer field to PKD.

Key Responsibilities:

- Utilize PKD mouse models to delineate disease pathomechanisms (focus: immunology/metabolism). Includes: creating/maintaining/breeding mouse lines, preclinical studies, histopathological and physiological analyses.
- Perform flow cytometry and multispectral imaging to understand cell type specific changes within PKD kidneys.
- Establish/optimize in vitro, ex vivo culture systems to delineate detailed mechanisms of PKD.
- Perform basic cellular, molecular techniques (Western blotting, PCR/qPCR, IHC/IF) and statistical analyses (Microsoft Excel/PRISM/JMP) to supplement in vivo experiments.
- Develop/lead hypothesis driven research independently.
- Aid in and independently write manuscripts/grants.



- Assist with training of junior or new employees/students and with day-to-day lab duties.

### **Why Join Us:**

Dr. Hopp's laboratory utilizes orthologous mouse models that mimic the human disease for all mechanistic and translational studies. This assure the most likely success to identify disease driving mechanism which can be therapeutically targeted in the clinic. In line with this, Dr. Hopp directs the preclinical PKD core of the CU Anschutz PKD program and has extensive experience in conducting industry and academic preclinical trials in PKD.

The study of immunology and metabolism is currently a "hot topic" in PKD which is seen to have high translational value. Dr. Hopp's lab utilizes state of the art models and technologies which include multiomics approaches (scRNAseq, metabolomics etc) to understand each pathway independently, but also interconnected.

Dr. Hopp's basic research program works closely together with the clinical PKD program at CU Anschutz. This assures direct access to clinical patient data as well as clinical samples allowing direct translation of basic science findings to the patient population.

The University of Colorado offers a comprehensive benefits package that includes health insurance, life insurance, retirement plans, tuition benefits, ECO pass, paid time off – vacation, sick, and holidays and more. To see what benefits are available, please visit: <https://www.cu.edu/employee-services/benefits-wellness>.

### **Diversity and Equity:**

The University of Colorado Anschutz Medical Campus is committed to recruiting and supporting a diverse student body, faculty and administrative staff. The university strives to promote a culture of inclusiveness, respect, communication and understanding. We encourage applications from women, ethnic minorities, persons with disabilities, persons within the LGBTQ+ community and all veterans. The University of Colorado is committed to diversity and equality in education and employment.

### **Qualifications:**

#### **Minimum Qualifications:**

*Applicants must meet minimum qualifications at the time of hire.*

- Graduation from an accredited college or university with a PhD and or MD/PhD.
- Minimum of 4-year(s) experience in research, including the degree years
- Experience with mouse colony maintenance, mouse dissection, and/or preclinical trial execution



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- Experience with basic cellular, molecular techniques (Western blotting, PCR/qPCR, IHC/IF) and statistical analyses (Microsoft Excel/PRISM/JMP).

**Preferred Qualifications:**

- PhD in the field of renal, cilia, metabolism, or immunology research
- Proven experience and familiarity with the murine renal systems and procedures
- Proven experience with flow cytometry
- Experience in mentoring PhD students/laboratory technicians
- Two or more first author publications originating from degree work

**Knowledge, Skills and Abilities:**

Excellent communication skills

Proven ability to work independently within a research lab

**How to Apply:**

For full consideration, please submit the following document(s):

1. A letter of interest describing relevant job experiences as they relate to listed job qualifications and interest in the position
2. Curriculum vitae / Resume
3. Five professional references including name, address, phone number (mobile number if appropriate), and email address

Applications are accepted electronically ONLY at [www.cu.edu/cu-careers](http://www.cu.edu/cu-careers).

Questions should be directed to: Betsy Pike, Renal Division Human Resources, [betsy.pike@cuanschutz.edu](mailto:betsy.pike@cuanschutz.edu)

**Screening of Applications Begins:**

Immediately and continues until position is filled.

**Anticipated Pay Range:**

The starting salary range (*or hiring range*) for this position has been established as **HIRING RANGE:**

NIH Stipend levels:

Postdoctoral Career level 0: \$56,484

Postdoctoral Career level 1: \$56,880



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Postdoctoral Career level 2: \$57,300

Postdoctoral Career level 3: \$59,592

Postdoctoral Career level 4: \$61,572

Postdoctoral Career level 5: \$63,852

Postdoctoral Career level 6: \$66,228

Postdoctoral Career level 7 or more: \$68,604

The above salary range (*or hiring range*) represents the University's good faith and reasonable estimate of the range of possible compensation at the time of posting. This position is not eligible for overtime compensation unless it is non-exempt.

Your total compensation goes beyond the number on your paycheck. The University of Colorado provides generous leave, health plans and retirement contributions that add to your bottom line.

Total Compensation Calculator: <http://www.cu.edu/node/153125>

**ADA Statement:**

The University will provide reasonable accommodations to applicants with disabilities throughout the employment application process. To request an accommodation pursuant to the Americans with Disabilities Act, please contact the Human Resources ADA Coordinator at [hr.adacoordinator@ucdenver.edu](mailto:hr.adacoordinator@ucdenver.edu).

**Background Check Statement:**

The University of Colorado Anschutz Medical Campus 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.

**Vaccination Statement:**

The University of Colorado has a requirement for COVID-19 vaccinations and full completion thereof by 9/1/21 or upon start date. Information regarding this requirement, and exemptions can be found at:

Anschutz: [https://www.ucdenver.edu/docs/librariesprovider284/default-document-library/3000-general-admission/3012---covid-19-vaccination-requirement-and-compliance.pdf?sfvrsn=4e9df3ba\\_2](https://www.ucdenver.edu/docs/librariesprovider284/default-document-library/3000-general-admission/3012---covid-19-vaccination-requirement-and-compliance.pdf?sfvrsn=4e9df3ba_2)

Unit-Specific Exemptions:

- Anschutz Campus – Accommodations may be granted for medical or religious reasons.

The University of Colorado seeks individuals with demonstrated commitment to creating an inclusive learning and working environment. We value the ability to engage effectively with students, faculty and staff of diverse backgrounds.