



Anschutz

University of Colorado Anschutz Medical Campus

Department: Medicine, Division of Renal Diseases and Hypertension

Job Title: Post-Doctoral Fellow

Position #: 00659817 – Requisition #: 38031

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, translational, and clinical investigation in Nephrology. Please explore our website to learn more about our state-of-the-art clinical, educational and research programs, and distinguished faculty members. (<https://medschool.cuanschutz.edu/renal>)

Dr. Katharina Hopp's laboratory studies Autosomal Dominant PKD (ADPKD). ADPKD is the most common monogenic kidney disease worldwide leading to kidney failure in mid-life. Limited therapeutic options to slow disease progression are known and only one is FDA approved. ADPKD has many molecular and cellular commonalities with cancer, in which targeting metabolism and immune cell function have shown tremendous potential for therapeutic intervention. Dr. Hopp's laboratory is interested in studying the role of these features in ADPKD progression and apply the knowledge gained from the cancer field to PKD. The lab predominantly utilizes murine and cell culture models of the disease and conducts mechanistic/basic as well as translational research.

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 progression.
- 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.

Work Location: Onsite – this role is expected to work onsite and is located in Aurora, CO.

Why Join Us: Dr. Hopp's laboratory utilizes orthologous mouse models that mimic human disease for all mechanistic and translational studies. This assures 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 multiomic approaches (scRNAseq, spatial RNAseq, spectral flow cytometry, 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 translation of basic science findings to the patient population.

Why work for the University?

The University of Colorado offers a comprehensive benefits package. To see what benefits are available for Post-Doctoral Fellows, please visit:

- [Payroll & Benefits Orientation for Post-Doctoral Fellows | University of Colorado \(cu.edu\)](https://www.cu.edu/doc/post-doctoral-fellows-comprehensive-benefits-guide-2025-26pdf)
- <https://www.cu.edu/doc/post-doctoral-fellows-comprehensive-benefits-guide-2025-26pdf>

Qualifications: **Minimum Qualifications:**

- Graduation from an accredited college or university with a PhD or MD/PhD.
- Minimum of 4-year(s) but no more than 7-year(s) experience in research, including the degree years.
- Experience with mouse colony maintenance/breeding and mouse dissections.
- Experience with basic cellular, molecular techniques (Western blotting, PCR/qPCR, IHC/IF) and statistical analyses (Microsoft Excel/PRISM).
- Established track record in abstract and manuscript writing/publishing.

Applicants must meet minimum qualifications at the time of hire.

Preferred Qualifications:

- PhD or MD/PhD in the field of nephrology, cilia biology, metabolism, or immunology research.
- Proven experience and familiarity with the murine renal systems and procedures to study it.
- Proven experience in executing preclinical trials utilizing murine models.
- Proven experience with flow cytometry.
- Proven experience in metabolomics analyses.
- Experience in mentoring PhD students/laboratory technicians.
- Two or more first author publications origination from degree work.

Knowledge, Skills and Abilities:

- Excellent communication skills.
- Proven ability to work independently within a research lab
- Thriving in a teamwork setting.

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.

Questions should be directed to: Betsy Pike, Renal Division Human Resources.
Betsy.pike@cuanschutz.edu

Screening of Applications Begins:

This position may be seeking multiple candidates. Positions will remain open until filled. Applications will be reviewed as they are received, and candidates may be contacted for interviews throughout the posting period. Upon candidate(s) selection, the posting will be closed, and no further applications will be accepted.

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: \$62,232
Postdoctoral Career Level 1: \$62,652
Postdoctoral Career Level 2: \$63,120
Postdoctoral Career Level 3: \$65,640

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>

**Equal
Employment
Opportunity
Statement:**

The University of Colorado (CU) is an Equal Opportunity Employer and complies with all applicable federal, state, and local laws governing nondiscrimination in employment. We are committed to creating a workplace where all individuals are treated with respect and dignity, and we encourage individuals from all backgrounds to apply, including protected veterans and individuals with disabilities.

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.

**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:**

CU Anschutz strongly encourages vaccination against the COVID-19 virus and other [vaccine preventable diseases](#). If you work, visit, or volunteer in healthcare facilities or clinics operated by our affiliated hospital or clinical partners or by CU Anschutz, you will be required to comply with the vaccination and medical surveillance policies of the facilities or clinics where you work, visit, or volunteer, respectively. In addition, if you work in certain research areas or perform certain safety sensitive job duties, you must enroll in the [occupational health medical surveillance program](#).