SUMMER INTERNSHIP OPPORTUNITY
Charles Edelstein Lab, University of Colorado Anschutz Medical Campus

Participate in an ongoing research project:
We currently study pathways that contribute to polycystic kidney disease (PKD), the most common life-threatening genetic disease. These pathways include proliferation (mTOR), autophagy, and apoptosis. Our main projects are:
1) Developing viruses \textit{in vitro} that target the mTOR pathway to be used \textit{in vivo} as a gene therapy-based treatment for PKD
2) Examining differences in the autophagy and apoptosis pathways in healthy vs. diseased mice using a unilateral nephrectomy model, and pharmacological rescue of these pathways
3) Using mTOR genetic knockouts to better understand and treat PKD

Learn techniques such as:

- Western Blot
- Transfection
- Cell culture
- Animal Work
- PCR/genotyping
- Immunofluorescence

If you are interested, please contact us and explain which project(s) and technique(s) excite you most, and why?

When? May 2018-August 2018, with possible extension; hours flexible

Where? Anschutz Medical Campus, Aurora, CO
Research Complex 2, Division of Renal Diseases and Hypertension

Please contact Lab Manager, Nicole Brown, or Post Doctoral Fellow, Sara Holditch, to schedule interview
carolyn.n.brown@ucdenver.edu | sara.holditch@ucdenver.edu | 303-724-4817 (lab)