

**Alexander T. Pennington**  
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**WORK EXPERIENCE**

University of Colorado-Anschutz – Professional Research Assistant 2011 - Present  
Department of Anesthesiology - iC42 - Clinical Research & Development Laboratory

**SKILLS & EXPERIENCE:**

- Development and validation of analytical methods using HPLC and LC/MS systems.
- Set-up and routine maintenance of HPLC and LC/MS systems.
- Sample preparation for proteomics, metabolomics and pharmacokinetic analyses.
- Therapeutic drug monitoring and clinical study sample analysis using LC-MS.
- Western blot, immunoassays.
- Detailed documentation of laboratory work and equipment maintenance.
- Assistance in the preparation of manuscripts and presentations.
- Data management.
- Management of chemical and biological waste disposal.
- Management of inventories; specimen samples, reference material, chemicals and supplies.
- Management of rodent populations for research purposes.
- Animal procedures: gavage, tissue/organ harvest, CO2 euthanasia.
- Compliance within GLP and GLP-like regulations.

**EDUCATION:**

Colorado State University: Bachelor of Science – Biology 2011  
Laboratory Curriculum

- Organic Chemistry
- Immunology
- Microbiology
- Developmental Biology
- Cellular Biology
- Biochemistry
- Radiation Biology

**PUBLICATIONS:**

- Klawitter J, Klawitter J, McFann K, **Pennington AT**, Abebe KZ, Brosnahan G, Cadnapaphornchai MA, Chonchol M, Gitomer B, Christians U, Schrier RW. Bioactive lipid mediators in polycystic kidney disease. *Journal of Lipid Research*. 2013 Dec 16.
- Klawitter J, Zafar I, Klawitter J, **Pennington AT**, Klepacki J, Gitomer BY, Schrier RW, Christians U, Edelstein CL. Effects of lovastatin treatment on the metabolic distributions in the Han:SPRD Rat model of polycystic kidney disease. *BMC Nephrology*;14(1):165. 2013 Jul 31.

**PROFESSIONAL REFERENCE :**

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720.393.0560

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