



Mark A. Bailey, Ph.D.

Associate

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Professional Overview

Mark Bailey is a registered patent attorney focusing his practice on patent prosecution and counseling in the areas of molecular biology, vaccines, immunology, diagnostics, and pharmaceuticals. Mark has a Ph.D. in cell biology and molecular physiology from the University of Pittsburgh, School of Medicine, where he focused his studies in the areas of electrophysiology, molecular biology, cell biology, and biochemistry. His doctoral research aimed to understand the ligand-dependent gating mechanism of the intermediate conductance calcium-activated potassium channel, which resulted in the publication of several articles in the fields of biology, chemistry, and physiology.

Prior to law school, Mark was a postdoctoral research fellow at Oregon Health and Science University's (OHSU) Vollum Institute, followed by a second fellowship at OHSU's Department of Chemical Physiology and Biochemistry. Mark received his J.D., with an Intellectual Property Law Certificate, from the University of California, Davis School of Law. While in law school Mark served as the editor of the *Environmental Law and Policy Journal* and the *Business Law Journal*.

Prior to joining COJK, Mark worked as an associate at an international general practice law firm and as a patent search analyst at a national IP service company. He also clerked at the United States Patent and Trademark Office under former Director Iancu and with the Patent Trial and Appeal Board, where he assisted administrative patent judges with drafting *ex parte* appeal decisions and all aspects of post-grant patent proceedings, including *inter partes* review challenges.

Education

- J.D., University of California, Davis School of Law, 2017
- Ph.D., Cell Biology and Molecular Physiology, University of Pittsburgh, School of Medicine, 2010
- B.S., Biology, Gannon University, 2002



Professional Experience

- Christensen O'Connor Johnson Kindness PLLC, Seattle, WA, 2021 - present
- Perkins Coie LLP, Chicago, IL, 2019 – 2021
- U.S. Patent and Trademark Office
Judicial Clerk, Alexandria, VA, 2018 – 2019
Summer Clerk, San Jose, CA, 2016
- Cardinal Intellectual Property, Evanston, IL, 2017-2018
- UC Davis Innovation Access Tech Transfer Office
IP Law Extern, Davis, CA, 2015

Technical Experience

- Postdoctoral Fellow, Department of Chemical Physiology and Biochemistry
Oregon Health and Science University, 2012 – 2014
- Postdoctoral Fellow, The Vollum Institute
Oregon Health and Science University, 2011-2012

Bar & Court Admissions

- Bar Admissions: Illinois, Pennsylvania
- United States Patent and Trademark Office

Presentations & Publications

Publications

- "Characterization of the PCMBBS-dependent modification of KCa3.1 channel gating," *Journal of General Physiology*, 2010 Oct; 136(4):367-87, Bailey, M.A., Grabe, M., Devor, D.C.
- "Recycling of the Ca²⁺-activated K⁺ channel, KCa2.3 is dependent upon RME-1, Rab35/EPI64C and an N-terminal domain," *Journal of Biological Chemistry*, 2010; 285(23): 17938-17953, Gao, Y., Balut, C.M., Bailey, M.A., Patino-Lopez, G., Shaw, S., Devor, D.C.
- "Role of S3 and S4 transmembrane domain charged amino acids in channel biogenesis and gating of KCa2.3 and KCa3.1," *Journal of Biological Chemistry*, 2008, 283(14): 9049-59, Gao, Y., Chotoo, C.K., Balut, C.M., Sun, F., Bailey, M.A., Devor, D.C.



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- "An NH₂-terminal multi-basic RKR motif is required for the ATP-dependent regulation of hIK1," *Channels*, 2007, 1(2): 80-91, Jones, H.M., Bailey, M.A., Baty, C.J., MacGregor, G.G., Syme, C.A., Hamilton, K.L., Devor, D.C.