WILSON SONSINI

Matt Wheeler

ASSOCIATE

Patents and Innovations

San Diego

mwheeler@wsgr.com
858-350-2317

FOCUS AREAS

Intellectual Property

Life Sciences

Patents and Innovations

EXPERIENCE

Dr. Matt Wheeler is an associate in the patents and innovations practice group in Wilson Sonsini Goodrich & Rosati's San Diego office, where he provides strategic patent counseling to clients on a wide variety of technologies. Matt's scientific expertise includes antibodies, biologics, diagnostics, and medical devices.

Matt works with clients at all stages, from start-ups to public companies, to develop and implement global patent strategies. His counseling experience includes freedom to operate analysis; due diligence for mergers and acquisitions, private financings, and public markets; and all stages of preparation and prosecution of patent filings in the U.S. and around the world, including post-grant procedures.

Matt first joined Wilson Sonsini as a patent agent in 2014 and transitioned to an associate role after attending law school at the University of San Diego.

Prior to joining the firm, Matt obtained his Ph.D. in biomedical sciences from UC San Diego, where he studied immunology and antibody engineering. After receiving his Ph.D., Matt conducted postdoctoral studies at The Scripps Research Institute where he studied the role ER stress plays in inflammation and metabolic diseases.

CREDENTIALS

Education

- J.D., University of San Diego
  Magna Cum Laude, Order of the Coif
- Ph.D., Biomedical Sciences, University of California, San Diego
- B.S., Biological Sciences, University of Missouri

Associations and Memberships

- San Diego Intellectual Property Law Association

Admissions

- State Bar of California
- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author with J. Pitman, D. Lloyd, R. Glynne, J. Walker, and N. Gekakis, "Jack Lalanne, a gain-of-function mutation in mouse adenylate cyclase 3 that protects against diet-induced obesity," 9(10) *PLoS ONE* e110226, October 2014

Copyright © 2024 Wilson Sonsini Goodrich & Rosati. All Rights Reserved.

- Co-author with N. Gekakis, "Hsp90 modifies Ppar? activity in a mouse model of non-alcoholic fatty liver disease," 55(8) *Journal of Lipid Research* 1702-1710, June 2014
- Co-author with Y. Prabhu, E.H. Blanco, M. Liiu, JR. Peinado, N. Gekakis, P. Arvan, and I. Lidberg, "Defective transport of the obesity mutant PC1/3 N222D contributes to loss of function," 155(7) *Endocrinology* 2391-2401, May 2014
- Co-author with N. Gekakis, "Defective ER Associated Degradation of a Model Luminal Substrate in Yeast Carrying a Mutation in the 4th ER Luminal Loop of Sec61p.," 427(4) *Biochemical and Biophysical Research Communications* 768-73, November 2012
- Co-author with D. Lloyd and N. Gekakis, "A Point Mutation in Sec61a1 Leads to Diabetes and Hepatosteatosis in Mice," 59(2) *Diabetes* 460-70, February 2012
- Co-author with N. Mahadevan, J. Rodvold, G. Almanza, A. Fernandez, and M. Zanetti, "ER stress drives Lipocalin 2 transcription in prostate cancer cells in an NF-kB-dependent manner," 11(1) *BMC Cancer* 229, June 2011
- Co-author with A. Franco, G. Almanza, J.C. Burns, and M. Zanetti, "Endoplasmic reticulum Stress Drives a Regulatory Phenotype in Human T-Cell Clones," 266(1) *Cell Immunology* 1-6, September 2010
- Co-author with M. Rizzi, R. Sasik, G. Almanza, G. Hardiman, and M. Zanetti, "KDEL retained Antigen in B Lymphocytes Induces a Pro-inflammatory Response: A Possible Role for ER Stress in Adaptive T cell Immunity," 181(1) *Journal of Immunology* 256-64, July 2008
- Co-author with X. Cortez-Gonzalez, R. Frazzi, and M. Zanetti, "Mechanisms of Internalization and Activation by Plasmid DNA in B lymphocytes," 25(3-4) *International Reviews of Immunology*, May-August 2006
- Co-author with X. Cortez-Gonzalez, I. Pellicciotta, M. Gerloni, P. Castiglioni, P. Lenert, and M. Zanetti, "TLR9 Independent Activation of B Lymphocytes by Bacterial DNA," 25(5) *DNA Cell Biology* 253-61, May 2006
- Co-author with M. Rizzi, M. Gerloni, A.S. Sirvastava, K. Schuler, E. Carrier, and M. Zanetti, "In utero DNA immunisation. Immunity over tolerance in fetal life," 23(33) *Vaccine* 4273-82. July 2005
- Co-author with M. Zanetti, P. Castiglioni, and M. Rizzi, "B lymphocytes as antigen-presenting cell-based genetic vaccines," 199 *Immunology Reviews* 264-78, June 2004
- Co-author with G. Filcai, M. Gerloni, M. Rizzi, M. Castiglioni, H.D. Ghang, R. Fiocca, and M. Zanetti, "Spontaneous transgenesis of human B lymphocytes," 11(1) *Gene Therapy* 42-51, January 2004

Copyright © 2024 Wilson Sonsini Goodrich & Rosati. All Rights Reserved.