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## BIOGRAPHY

Dr. Matt Gibson is a registered patent attorney whose practice focuses on all aspects of intellectual property law, with an emphasis in biotechnical, medical and pharmaceutical-related patent matters.

Matt is a 2009 graduate of the University of Oklahoma College of Law. He also holds a B.S. degree in biology/pre-med from Oklahoma Christian University and a Ph.D. in cell biology from the University of Oklahoma Health Sciences Center.

Matt has a broad range of biomedical knowledge and experience. From 2001-2007, Matt served as a graduate research assistant at the University of Oklahoma Health Sciences Center, where he was responsible for performing basic science research toward his doctoral dissertation in cell biology. Matt's graduate research focused on signal transduction pathways involved in epigenetics as well as epigenetic regulation of gene expression including DNA methylation and chromatin modification. Prior to pursuing his graduate degree, he served as a research associate in the basic science labs of the Oklahoma Foundation for Digestive Research. During this time, Matt's research focused on the role of stress and anxiety on the perception of visceral pain in the gastrointestinal system and more specifically, the anxiety and pain perception effects resulting from exposure of the amygdala to increased glucocorticoids.

Dr. Gibson has co-authored several scientific articles as well as presented at numerous local, national and international symposiums on topics in the areas of physiology, neurobiology, molecular biology and cell biology. Matt has also been a guest lecturer on patent-related topics at the University of Oklahoma College of Law and Oklahoma Christian University's MBA program.

Matt is active in the community, serving on the board of trustees for the Oklahoma Chapter of the Leukemia and Lymphoma Society. He also volunteers regularly at the Cross and Crown Mission in downtown Oklahoma City and participates in mission trips to Honduras to support the Predisan Medical Mission. Matt is a member of Quail Springs Church of Christ in Oklahoma City.

## REPRESENTATIVE EXPERIENCE

- Research and briefing attorney for Markman hearing in patent infringement lawsuit.
- Drafted numerous patent infringement and validity opinions in a broad range of technical fields.
- Drafted and successfully prosecuted numerous U.S. and foreign patent applications in a variety of technical areas including mechanical devices, business methods, chemical processes, pharmaceuticals, nanoparticle technologies, gene therapy, medical devices, biosensing systems, and bacterial detection methods.
- Drafted numerous intellectual property policies for research institutes.

- Advise clients regularly on a variety of patent-related matters including patentability issues, domestic, international, and foreign patent filing options, infringement actions, and various trademark issues.
- Successfully negotiated dismissal and settlement of trademark opposition proceeding.

## PUBLICATIONS

- D. A. Myers, M. S. Gibson, Jay Schulkin and Beverly Greenwood-Meerveld, "Corticosterone implants to the amygdala and type 1 CRH receptor regulation: Effects on behavior and colonic sensitivity," *Behav. Brain Res.* 161 (2005) 39-44.
- B. Greenwood-Van Meerveld, M. S. Gibson, A. C. Johnson, and D. Sutkowski-Markmann, "NK1 receptor-mediated mechanisms regulate colonic hypersensitivity in the guinea pig," *Pharm Biochem Behav.* 74 (2003) 1005-1013.
- B. Greenwood-Van Meerveld, M. S. Gibson, W. D. Gunter, J. D. Shepard, R. Foreman, and D. A. Myers, "Stereotaxic delivery of corticosterone to the amygdala modulates colonic sensitivity in rats," *Brain Research.* 893 (2001) 135-142.

## PUBLICATIONS IN PROGRESS

- M. S. Gibson, K. Hyatt, and D. A. Myers, "Retinoic acid-induced chromatin remodeling of the corticotrophin-releasing hormone promoter." (expected publication in 2012)
- Matthew S. Gibson, "Gene Patents: A Pedal Sensor May Have Changed It All?" *Okla. Journal of Law & Tech.* (expected publication 2009-2010).
- M. S. Gibson, K. Hyatt, and D. A. Myers, "The role of ERK mediated pathways on CRH gene expression induced by retinoic acid in human neuroblastoma cells." (2012)

## PRESENTATIONS

- M. S. Gibson, W. D. Gunter, J. D. Shepard, D. A. Myers, R. Foreman, B. Greenwood-Van Meerveld, "Influence of anxiety on visceral sensitivity in rats." Oklahoma Center for Neurosciences Annual Meeting, 1999.
- M. S. Gibson, W. D. Gunter, J. D. Shepard, D. A. Myers, R. Foreman, B. Greenwood-Van Meerveld, "The role of the central amygdaloid nucleus in the development of visceral hypersensitivity in rats." Digestive Disease Week, San Diego, CA, 2000.
- S. Cochrane, M. S. Gibson, D. A. Myers, and B. Greenwood-Van Meerveld, "The role of CRF receptors in neutral pathways modulating colonic sensitivity in rats." Oklahoma Center for Neuroscience Annual Meeting, Oklahoma City, OK, 2000.
- M. S. Gibson and B. Greenwood-Van Meerveld, "An acute inflammatory insult induces long-term colonic hypersensitivity in rats." American College of Gastroenterology Annual Symposium, New York City, NY, 2000.
- B. Greenwood-Van Meerveld, M. S. Gibson, R. D. Foreman and D. A. Myers, "Stereotaxic delivery of corticosterone to the central amygdaloid nucleus modulates colonic pain in rats." American Pain Society Annual Symposium, Atlanta, GA, 2000.
- B. Greenwood-Van Meerveld, M. S. Gibson, R. D. Foreman and D. A. Myers, "Central regulation of colonic sensitivity: importance of the central amygdaloid nucleus." International Motility Society Annual Symposium, Madison, WI, 2001.

- M. S. Gibson, A. C. Johnson, D. Sutkowski-Markmann, and B. Greenwood-Van Meerveld, “The importance of NK1 receptor mediated mechanisms in the development of visceral hyperactivity in a guinea pig.” AGA Distinguished Abstract: Plenary Session. Digestive Disease Week, Atlanta, GA, 2001.
- S. Cochrane, M. S. Gibson, D. A. Myers, and B. Greenwood-Van Meerveld, “The role of CRF receptors in neural pathways modulating colonic sensitivity in rats.” Digestive Disease Week, Atlanta, GA, 2001.

## ADMISSIONS

- Oklahoma, 2009
- U.S. District Court for the Western District of Oklahoma, 2011
- U.S. Patent and Trademark Office, 2008

## EDUCATION

- J.D., University of Oklahoma, 2009
- Ph.D., University of Oklahoma, 2007 (cell biology)
- B.S., *magna cum laude*, Oklahoma Christian University, 1999 (biology/pre-med)

## PROFESSIONAL ORGANIZATIONS AND MEMBERSHIPS

- Oklahoma Bar Association
- Oklahoma Bioscience Association

## CIVIC INVOLVEMENT AND LEADERSHIP

- Leukemia & Lymphoma Society – Oklahoma Chapter (President, Board of Trustees)
- Cross and Crown Mission (Volunteer)
- Predisan Medical Mission (Missionary)