



Viswanathan Lakshmanan, Ph.D.

Patent Agent

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Services

Asset Creation - Prosecution &
Counseling
Intellectual Property
Patents

Industries

Health & Life Sciences

Viswanathan Lakshmanan is a Registered Patent Agent who focuses his practice on patent prosecution and counseling in technologies relating to life sciences and chemistry. His experience includes US and international patent prosecution in biotechnology, molecular biology, genomics, genetics, gene therapies, immunology, immunoassays, antibody engineering and therapies, cell engineering and therapies, small molecules, pharmaceuticals, nutraceuticals, biologics, biochemistry, medical devices, molecular and cellular diagnostics, plants, and designs. Viswanathan is experienced in reviewing and evaluating invention disclosures/prior art, liaising with inventors/clients/outside counsel/technology transfer offices to develop IP/prosecution strategy, developing and managing patent portfolios, drafting patent applications, and patent landscape, freedom-to-operate, and validity analyses.

Prior to joining the firm, Viswanathan was a Senior Patent Agent in the San Francisco, California office of a national intellectual property and technology law firm.

As a researcher, he was involved in developing of a malaria vaccine candidate for human clinical testing and used high-throughput chromatography and mass spectrometry to discover a novel biochemical pathway of lipid metabolism in the malaria parasite. Viswanathan's research experience includes small animal model-based preclinical testing of genetically attenuated vaccine candidates, chromatography/mass spectrometry-based high-throughput metabolomics, microarray and RNASeq-based gene expression analyses, preclinical drug efficacy and structure-activity relationship studies of leads, drug accumulation and interaction studies, biochemical and genetic investigations of malaria parasite drug resistance, reverse genetics of malaria parasite and yeast, dendritic cell immunology, and protein purification and protein biochemistry.

Viswanathan is fluent in Hindi and Tamil and has elementary knowledge of Bengali.

Education

State University of New York at Stony Brook (2007) Certificate in Fundamentals of the Bioscience Industry

Albert Einstein College of Medicine (AECOM) Ph.D., Microbiology and Immunology (2006)

All India Institute of Medical Sciences, New Delhi, India M. Biotechnology (2000) *with honors*

All India Institute of Medical Sciences, New Delhi, India B.Sc. Human Biology (1998) Specialization in Biochemistry, *with honors*

Court Admissions

U.S. Patent and Trademark Office (2011)

Professional & Community Activities

National Postdoctoral Association, Member (2013-2015)

American Society of Tropical Medicine & Hygiene, Member (2009, 2014)

Gordon Research Conference, Cellular Microbiology “Best Poster” prize (from >100 posters) (2008)

Gordon Research Conference, Chair’s Conference Fellowship (2008)

New York Academy of Sciences, Member (2000-2006)

American Association for Advancement of Science, Next Wave Campus Representative at AECOM (2003-2006)

AECOM, *Einstein Journal of Biology and Medicine*, Associate Editor of Reviews (2003-2005)

AECOM, Graduate Student Service Award Committee, Member (2003-2004)

AECOM, Graduate Student Council’s Executive Committee, Microbiology and Immunology Department Representative (2001-2003)

AECOM, Graduate Recruitment and Orientation Committee, Member (2001-2002)

Insights

Publication

Plasmodium vivax liver stage development and hypnozoite persistence in human liver-chimeric mice
March 19, 2015

Publication

Cyclic GMP balance is critical for malaria parasite transmission from the mosquito to the mammalian host
March 17, 2015