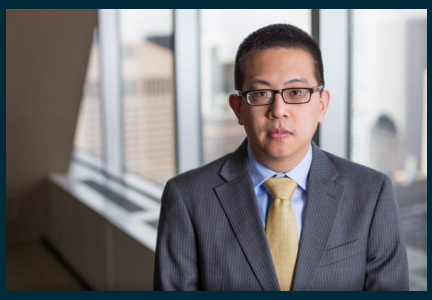

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Overview

About Richard

Richard Wong, Ph.D., is an associate in the New York office of Fish & Richardson P.C. Dr. Wong specializes in the fields of biomedical engineering, electrical engineering, and mechanical engineering, and has extensive experience in medical imaging, image processing, signal processing, and translational research.

Prior to joining the firm, Dr. Wong investigated techniques to increase the diagnostic ability of MRI by selectively delivering contrast enhancing nanoparticles to areas of interest. Dr. Wong has developed nanoparticle delivery techniques that leverage changes in cellular, organ, and systemic behavior as a result of disease states, as well as techniques that employ biospecificity conferred by surface-bound targeting ligands.

Dr. Wong's research is multidisciplinary in nature, and encompasses aspects of electrical engineering, microbiology, and protein engineering.

Focus Areas

Services

- Patent

Education

J.D. *magna cum laude, Order of the Coif*, Fordham University School of Law (2019)

Ph.D., Biomedical Engineering, Cornell University (2012)

B.S., Electrical Engineering, University of Florida (2006)

Insights

Selected Publications

Mosquera LA, Card KF, Price-Schiavi SA, Belmont HJ, Liu B, Builes J, Zhu X, Chavaillaz PA, Lee HI, Jiao JA, Francis JL, Amirkhosravi A, Wong RL, Wong HC. In vitro and in vivo characterization of a novel antibody-like single-chain TCR human IgG1 fusion protein*. J Immunol*. 2005 Apr 1;174(7):4381-8.

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Codella NC, Cham MD, Wong R, Chu C, Min JK, Prince MR, Wang Y, Weinsaft JW. Rapid and accurate left ventricular chamber quantification using a novel CMR segmentation algorithm: a clinical validation study. *J Magn Reson Imaging*. 2010 Apr;31(4):845-53.

Liu T, Spincemaille P, de Rochefort L, Wong R, Prince M, Wang Y. Unambiguous identification of superparamagnetic iron oxide particles through quantitative susceptibility mapping of the nonlinear response to magnetic fields. *Magn Reson Imaging*. 2010 Nov;28(9):1383-9. Epub 2010 Aug 4.

Wong R, Shou J, Wang Y. Probing sepsis and sepsis-like conditions using untargeted SPIO nanoparticles. *Conf Proc IEEE Eng Med Biol Soc*. 2010;2010:3053-6.

Wong RL, Liu B, Zhu X, You L, Kong L, Han KP, Lee HI, Chavaillaz PA, Jin M, Wang Y, Rhode PR, Wong HC. Interleukin-15:Interleukin-15 receptor *alpha* scaffold for creation of multivalent targeted immune molecules. *Protein Eng Des Sel*. 2011 Apr;24(4):373-83. Epub 2010 Dec 21.

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