






Jillian Shapiro, Ph.D.

Associate

-  New York, NY
-  212-641-2267
-  shapiro@fr.com

Overview

About Jill

Jillian Shapiro, Ph.D., is an associate in New York office of Fish & Richardson P.C. Dr. Shapiro's practice focuses on patent prosecution in the pharmaceutical, life sciences, and biotechnology industries. In addition to the preparation and prosecution of patent applications, Dr. Shapiro manages patent portfolios and provides assistance with due diligence, freedom to operate, and landscape review. Prior to joining Fish, Dr. Shapiro was an Intellectual Property Practice Specialist and Intern at another law firm, where she assisted in the drafting and prosecution of patent applications, freedom to operate and due diligence analyses, and assisted in advising clients regarding international patent portfolios relating to pre-clinical and clinical candidates.

Dr. Shapiro's doctoral studies focused on the interplay between the host anti-virus response and small RNA production. Specifically, Dr. Shapiro's work identified the ability of engineered cytoplasmic RNA viruses to produce microRNAs and evaluated the role of this pathway in the antiviral response. Notably, Dr. Shapiro's research landed her a spot on the 2012 Forbes 30 Under 30: Science and Healthcare list and resulted in invitations to speak at numerous international scientific conferences.

Focus Areas

Services

- Patent
- Opinions and Strategic Counseling

- Patent Portfolio Management

Industries

- Life Sciences

Education

J.D., Fordham University School of Law (2018)

Ph.D., Biomedical Sciences, Icahn School of Medicine at Mount Sinai (2013) Thesis completed in Department of Microbiology

B.A., Biochemistry , New York University (2010)

Insights

Publications

Shapiro, J.S., Schmid, S., Aguado, L., Sabin, L.R., Cherry, S. and B.R. tenOever. Drosha is an interferon-independent antiviral factor. PNAS. 2014. 111(19): 7108-7113. PMID: 24778219

Langlois, R.A, Albrecht, R., Kimble, B., Sutton, T., Shapiro, J., Finch, C., Angel, M., Chua, M.A. Gonzalez-Reiche, A., Xu, K., Perez, D., García-Sastre, A. and B.R. tenOever. Molecular risk mitigation of gain-of-function studies with influenza viruses. Nature Biotechnology. 2013, Aug, 31, 844-847. PMID: 23934176

Shapiro, J.S. Processing of virus-derived cytoplasmic primary-microRNAs. Wiley Interdisciplinary Reviews RNA. 2013, Jul-Aug;4(4). PMID: 23776147

Shapiro, J.S., Langlois, R.A., Pham, A.M. and B. R. tenOever. Evidence for a cytoplasmic microprocessor of pri-miRNAs. RNA. 2012, Jul;18(7): 1338-46. PMID: 22635403

Backes, S., Shapiro, J.S., Sabin, L.R., Pham, A.M. Reyes, I., Moss, B., Cherry*, S. and B.R. tenOever*. Degradation of host microRNAs by a viral poly(A) polymerase reveals terminal 2'-O-methylation as a protective anti-viral mechanism. Cell Host and Microbe. 2012, Aug;12(2): 200-210. PMID: 22901540

Langlois, R.A., Shapiro, J.S., Pham, A.M. and B. R. tenOever. in vivo delivery of cytoplasmic RNA

virus-derived miRNAs. *Mol. Ther.* 2011, Nov. 15,(20)(2):367-75. PMID: 22086233

Shapiro, J.S., A. Varble, and B. R. tenOever. Noncanonical cytoplasmic processing of viral microRNAs. *RNA*. 2010, 16: 2068-74. PMID: 20841420

Speaking Engagements

Invited speaker at the Keystone Symposia: Gene Silencing by Small RNAs (2012).

National Institutes of Health training fellowship: Cytoplasmic processing of viral microRNAs (2012-2013).

Invited speaker at the American Society for Virology 32nd Annual Meeting (2013).

Recognition

Forbes 30 Under 30: Science and Healthcare (December 2012).