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Patent Counseling and Prosecution
Intellectual Property
Life Sciences and Healthcare
Patent Counseling and Prosecution – Agricultural Science
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Newman JJ focuses on drafting and prosecuting domestic/international biotechnology-related patent applications in the fields of life sciences and agricultural sciences. He concentrates his practice on molecular and cellular biology, biochemistry, plant biology, genetics, epigenetics, genomics, neurobiology and environmental science with particular expertise in gene editing and silencing by DNA mutagenesis (T-DNA and DNA transposons), RNA interference and CRISPR-CAS9.

Prior to joining Cooley, Newman JJ was a part-time intern to the Office of Technology Transfer at Cold Spring Harbor Laboratory (CSHL), where he assisted in establishing patent filing strategies, performing patent landscape analysis and providing opinion on licensing opportunities. Concurrently, as a postdoctoral fellow of Dr. Robert Martienssen, HHMI investigator at CSHL, he created sequence-indexed database of maize-targeted mutagenesis population for high-throughput reverse-genetic screen using next-generation sequencing and studied functions of gene family playing a central role in RNA silencing using CRISPR-CAS9.

Newman JJ earned his PhD in molecular and cellular biology from the CSHL-SUNY Stony Brook shared graduate program. At CSHL he worked on the impact of DNA transposable elements on allelic diversity and at SUNY Stony Brook he studied effects of microRNA (miR-124) silencing on neuronal differentiation of mouse embryonic stem cells using RNAi. He also earned his MS in molecular and life sciences from POSTECH, where he characterized roles of MADS-box genes using T-DNA insertional mutagenesis in rice.

Newman JJ has authored or co-authored various publications in Plant Cell, Proceedings of National Academy of Sciences (PNAS), Journal of Neuroscience, Plant Journal, Plant Molecular Biology, Plant Physiology and Plant Science. He is also a co-inventor of U.S. Patent 8,785,724.

Education

State University of New York at Stony Brook PhD, Molecular and Cellular Biology, 2012

Pohang University of Science and Technology (POSTECH) MS, Molecular and Life Sciences, 2003

Korea University BS, Forest Resources and Environmental Sciences, 1999

Admissions & Credentials

US Patent and Trademark Office (USPTO)