

**Cantor Colburn Welcomes Six Professionals**  
*Three Attorneys and Three Patent Agents Join the  
Chemical and Biotechnology Practice Groups*



Summer Chu  
Associate  
Washington, D.C.

Danielle Dougherty, Ph.D.  
Patent Agent  
Hartford

Jennifer Lunn, Ph.D.  
Associate  
Washington, D.C.

Peter McFadden, Ph.D.  
Counsel  
Hartford

Naresh Ramireddy, Ph.D.  
Patent Agent  
Atlanta

Yong Tang, Ph.D.  
Patent Agent  
Atlanta

January 27, 2025 – [Cantor Colburn LLP](#) is pleased to announce the addition of six new professionals, strengthening the firm’s capabilities in patent law in a variety of sophisticated technologies, including polymers, batteries, materials engineering, semiconductors, medical devices, display technologies, organic chemistry, pharmaceuticals, biotechnology, chemical processing, and more. Joining us are three patent attorneys – Summer Chu, Jennifer Lunn, Ph.D., and Peter McFadden, Ph.D. – as well as three patent agents – Danielle L. Dougherty, Ph.D., Naresh Ramireddy, Ph.D., and Yong Tang, Ph.D. Five of the six professionals have Ph.Ds. in their respective fields. Their combined expertise will enhance our ability to serve our clients.

This talented team of professionals brings a diverse array of educational backgrounds and professional experiences to Cantor Colburn. Specifically, these experiences include work involving cancer research, semiconductors, fuel cells, solar cells, nanoparticles, catalyst chemistry, additive manufacturing, medical devices, battery development, advanced materials, drug discovery, genetics and biochemistry. Their IP legal experience includes work as patent agents, patent attorneys, experienced searching professionals, principal scientists, and patent scientist. They are based in our Hartford, Atlanta, and Washington, D.C. offices.

Managing Partner Philmore H. Colburn II emphasized the exceptional proficiency and dedication of the new professionals, “We are excited to welcome these skilled attorneys and agents to our team to meet continuing demand from our clients for exceptional legal and technical expertise. They have deep technical knowledge of and experience in all aspects of patent law and bring a collaborative spirit and client-focused approach that greatly benefits our clients.”

[Summer Chu](#)’s practice focuses on protecting clients’ intellectual property and R&D investments. Ms. Chu has extensive experience advising clients on patent strategy and portfolio development, as well as patent enforcement and defensive strategies. In particular, Ms. Chu has experience in patent infringement litigation before the U.S. Federal Courts, the Patent Trial and Appeal Board, and the International Trade Commission. She is skilled in drafting and prosecuting both U.S. and international patent applications,

conducting freedom-to-operate and clearance investigations, and performing validity and infringement assessments. Ms. Chu previously worked for Samsung Electronics Co., Ltd. in Korea, where she gained a comprehensive understanding of light-emitting diodes, lighting modules, fixtures, and semiconductor-based products. She earned her J.D. from the George Washington University School of Law and her B.S. in Materials Science and Engineering from Korea University. She is fluent in both English and Korean.

[Danielle L. Dougherty, Ph.D.](#), has applied her technical expertise in a variety of fields to assist clients in important patent prosecution matters and intellectual property management. Prior to joining Cantor Colburn, Dr. Dougherty was a patent agent at Revlon, where she drafted patent applications, patent amendments, and responded to domestic and foreign office actions for chemical formulations involving polymeric materials. She collaborated closely with R&D personnel to perform comprehensive searches of patent databases for invalidity, patentability, landscape and freedom to operate for raw material ingredients, chemical formulations, mechanical tools, packaging and software; and analyzed patent opinions and other patent-related documents for full protection of company inventions. Further, she provided legal support for IP aspects of relevant business/transactional matters, including conducting IP due diligence in support of bankruptcy, licensing and acquisition opportunities and IP agreement support including review of licensing agreements. She prepared preliminary trademark opinions including searching trademark databases and drafting the opinions. Dr. Dougherty also has experience as a patent and research analyst focusing on patentability, freedom to operate, invalidity, IP Landscape, white space analysis, and competitive intelligence in areas of chemical engineering, polymer synthesis, coatings, polymer and composite processing and applications, ceramics, semiconductors, batteries, fuel cells, solar cells, photovoltaic cells, aerospace, additive manufacturing, medical devices, organic and inorganic chemistry, pharmaceutical, and mechanical engineering. Dr. Dougherty earned a B.S. in Chemical Engineering, *cum laude*, from Widener University and a Ph.D. in Chemical Engineering from the University of Connecticut.

[Jennifer Lunn, Ph.D.](#), is an Associate with expertise in drafting and prosecuting patent applications in the technical fields of polymer sciences, pharmaceuticals, LED devices, and renewable energy, such as recycling and battery development. She has ten years' experience as a patent attorney, during which time she has had remarkably broad exposure to U.S. and international companies. She leverages her knowledge of organic chemistry to draft and prosecute applications in the technical areas of polymer compositions, polymer processes, and catalysts for olefin polymerization processes, as well as material sciences, including inorganic nanoparticles, batteries directed towards anodes and cathodes, and organic light emitting diodes. She advises innovators, entrepreneurs, academic researchers, industry leaders, and investors across a broad spectrum of industries regarding their international and domestic patent prosecution. Dr. Lunn previously worked for a large, general practice law firm, where she managed large international portfolios for clients innovating in technologies ranging from catalyst chemistry, polymer chemistry, and for startups researching various inorganic nanomaterial. From this experience, she gained a comprehensive understanding of assisting universities, small companies, and individual inventors with protecting and leveraging their research investments. Dr. Lunn earned her B.S. in Chemistry from Centre College, her Ph.D. in Chemistry from the University of Cincinnati, and her J.D. from The Catholic University of America Columbus School of Law.

[Peter McFadden, Ph.D.](#), leverages his background in organic chemistry and applied polymer science to counsel clients in all phases of the intellectual property life cycle. His practice encompasses U.S. and international patent prosecution, post-grant proceedings, strategic portfolio counseling, due diligence for funding and acquisitions, licensing, and advising on litigation and dispute settlements. He advises innovators, entrepreneurs, academic researchers, industry leaders, and investors across a broad spectrum of industries, and he has extensive experience preparing and prosecuting patents involving organic, inorganic, medicinal, small-molecule, and polymer chemistry and for a wide range of technical fields, such as pharmaceuticals, microfluidics, cell-sorting, microelectronic circuitry, telecommunications, antenna design, blockchain, cryptography, machine learning, material science, 3D printing, food harvesting and processing, mechanical devices, construction tools, structural reinforcement, optics, holography, and lasers. Dr. McFadden also handles re-examinations, re-issues, and oppositions at the U.S. Patent and Trademark Office and conducts freedom-to-operate analyses resulting in non-infringement and invalidity opinions. Dr. McFadden earned his B.S. in Chemistry, *summa cum laude* from Clarion University, his Ph.D. in Organic Chemistry from the University of Arizona, and his J.D. from the University of Arizona James E. Rogers College of Law.

[Naresh Ramireddy, Ph.D.](#), applies his technical expertise in organic chemistry and medicinal chemistry to assist clients in their important patent prosecution and intellectual property matters. Prior to joining Cantor Colburn, Dr. Ramireddy worked as Principal Scientist and a patent scientist for more than ten years at Vijaya Pharmaceuticals. This experience immersed him in all aspects of custom synthesis of novel organic molecules. As a principal scientist, he led extensive research in developing novel small molecule Cyclin-dependent kinase inhibitors (CDK) to treat breast cancer and its subtypes. He advanced multiple projects through various stages of drug discovery, including target identification, hit-finding enablement, hit-to-lead, and lead optimization. Dr. Ramireddy is a co-inventor for several patents in this area. During his tenure as patent scientist at Vijaya Pharmaceuticals, Dr. Ramireddy gained immense experience in drafting patent applications, amending claims and in preparing responses to office actions. He also worked extensively on patentability analysis, due diligence, and prior art searches. His expertise also extends to identifying and assessing inventions with potential for new product development and analyzing patents and scientific papers to support patent preparation. Dr. Ramireddy completed his doctoral studies at the University of Texas at San Antonio under the guidance of Professor John C.-G. Zhao, Ph.D. His graduate research focused on developing organo-catalyzed, enantioselective methods for synthesizing chromenes and spirooxindole derivatives. During his time as a graduate student, Dr. Ramireddy gained expertise in organic chemistry, with a special focus on stereoselective synthesis, and honed his communication and research skills teaching organic chemistry to undergraduates and mentoring graduate in their research projects. Dr. Ramireddy earned his B.S. in Chemistry from Andhra Loyola College, M.S. in Organic Chemistry from Dharma Appa Rao College, and Ph.D. in Organic Chemistry from the University of Texas at San Antonio.

[Yong Tang, Ph.D.](#)'s practice focuses on biotechnology and life science, particularly in the pharmaceutical products (e.g., small molecules, oncolytic virus therapy, biologics, monoclonal antibodies, and antibody-drug conjugates) and medical devices (e.g., navigational bronchoscopy, intratumoral drug injection, microneedles, autoinjector, wearable drug delivery device, robotic-assisted surgery, drug-coated implants and sustained drug release). He also has over 12 years of IP and technology consulting experience spanning across the areas of consumer goods, food and beverage ingredients, biopolymers, antibody

discovery, robotic surgery and telehealth. Prior to joining Cantor Colburn, Dr. Tang managed a range of IP consulting projects, including patentability and prior art search, IP landscaping, patent portfolio analysis, competitive intelligence, due diligence investigations, partnership identification, technology scouting, evaluation, and licensing. Dr. Tang has extensive experience in IP searches, utilizing a variety of methods including keywords, patent classifications, gene sequences, citations, and corporate tree. He directed technical intelligence projects for corporations, research institutions, and economic development entities. Dr. Tang, an IBM-certified data scientist, leveraged his expertise in IP data mining and big data analytics to uncover technology trends and identify key commercialization and licensing opportunities. His work focused on translating complex datasets into actionable insights, enabling strategic decisions in intellectual property and technology management. In addition to his IP practice, Dr. Tang was a prolific research scientist and spent seven years in cancer research on drug combination-mediated synergistic cancer treatment, drug-metabolizing enzyme and transporter-mediated multidrug resistance, and G protein-coupled receptor (GPCR) involved apoptosis and autophagy in colon cancer. Dr. Tang is the author or co-author of more than twenty peer-reviewed research articles and gave more than fifteen presentations in national or international conferences. The NIH-National Cancer Institute (NCI) funded Dr. Tang, with the Ruth L. Kirschstein National Research Service Award (NRSA) and Institutional Research Training Grants. Dr. Tang earned his B.S. in Biotechnology and Life Science from Shandong University and Ph.D. in Biochemistry, Microbiology and Molecular Biology from Southern Illinois University. He is fluent in both English and Mandarin.

### **About Cantor Colburn LLP**

[Cantor Colburn LLP](#) is one of the largest, full-service intellectual property law firms in the country, with 75 attorneys and agents providing counsel in patents, trademarks, litigation, and transactions to clients around the world from offices in Hartford, Atlanta, Washington, D.C., and Detroit. Exceptionally well-versed in a wide range of cutting-edge technologies, the firm's clients work in a wide variety of industries, including chemical, life sciences, pharmaceutical, medical devices, manufacturing, consumer products, energy, software, telecommunications, entertainment, and more. In 2024, Cantor Colburn was ranked #9 for utility patents and #8 for design patents out of all U.S. law firms and has been in the top 10 for these national rankings for more than a decade.

### **Contact**

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