Andrew N. Ming-Lum, PhD

SENIOR ASSOCIATE

617-248-4752 aminglum@choate.com

Dr. Andrew Ming-Lum utilizes his extensive knowledge of immunology, molecular biology, and biochemistry to help clients build and protect their intellectual property portfolios. His work includes the preparation and prosecution of patent applications in a variety of life science technologies, including large molecule biologics, immunotherapies, small molecule pharmaceuticals, vaccines, medical diagnostic methods, medical devices, and molecular and biochemical research tools and reagents.

Andrew is also experienced in preparing freedom to operate and patentability analyses, patent landscape search and analyses, validity and infringement analyses, performing intellectual property due diligence, and patent portfolio strategy and development.

Focus Areas

Intellectual Property

IP Counseling

Publications and Presentations

- "Interleukin-10 and Small Molecule SHIP1 Allosteric Regulators Trigger Anti-inflammatory Effects through SHIP1/STAT3 Complexes," co-author, *iScience*, 2020
- "Chapter 13: Public Policy Options to Incent Innovation," co-author, *The Business of Innovation: Intellectual Property Transactions and Strategies in the New Economy*
- "Interleukin-10 inhibits lipopolysaccharide induced mIR-155 precursor stability and maturation," co-author, *PLoS*
- "Interleukin-10 inhibits lipopolysaccharide-induced tumor necrosis factor-alpha translation through a SHIP1-dependent pathway," co-author, *Journal of Biological Chemistry*
- "A Pleckstrin Homology-Related domain in SHIP1 mediates membrane localization in FcGamma-receptor induced phagocytosis," first author, *FASEB Journal*
- "Innate immunity immunomodulation via SHIP activation," presenter, XXIII International Congress of the Transplantation Society
- "Relation'SHIP' between the PI 3-Kinase Pathway and Early Phase regulation of IL-10 production," presenter, Keystone Symposia
- "Small-molecule regulation of macrophage activation," presenter, 40th Annual Meeting of the Society of Leukocyte Biology
- "Small-molecule agonists of SHIP1 inhibit the phosphoinositide 3-kinase pathway in hematopoietic cells," first author, *Blood*
- "Negative regulation of inflammation via SHIP activation," presenter, Institut Pasteur

Professional & Community Involvement

- Board Member, Asian American Lawyers Association of Massachusetts

Education & Credentials

- University of British Columbia Faculty of Law, JD (2015)
- University of British Columbia, PhD (2012) Experimental Medicine
- Queen's University, BS (2002) Life Sciences, with honors

Admissions

- Massachusetts
- U.S. Patent & Trademark Office (Limited Recognition)
- Law Society of British Columbia