

KADDY CAMARA, PH.D.

TECHNICAL CONSULTANT

503.595.5300 | kaddy.camara@klarquist.com



OVERVIEW

Kaddy's practice focuses primarily on the preparation and prosecution of design, utility, and international patent applications. Her practice also includes intellectual property consulting.

As a technical advisor and an organic chemist, Kaddy brings extensive experience in patent law, with a focus on domestic and PCT applications, reporting, and documentation. She possesses comprehensive expertise in patentability searches, freedom-to-operate analysis, due diligence, chemical obviousness analysis, cataloging oversight, and landscape analysis. Kaddy excels at drafting and prosecuting U.S. and foreign patent applications, particularly in the fields of chemistry and biotechnology.

Kaddy joined Klarquist as a patent technical consultant in 2024.

PROFESSIONAL EXPERIENCE

- ▶ Lerner David LLP | Patent Engineer, 2023 – 2024 | Cranford, NJ
- ▶ Cooley LLP | Technical Advisor, 2022 – 2023 | Boston, MA
- ▶ Squire Patton Boggs (U.S.) LLP | Technical Advisor, 2021 – 2022 | San Francisco, CA
- ▶ Clark & Elbing, LLP | Technology Specialist, 2019 – 2020 | Boston, MA

HONORS & AWARDS

- ▶ Doctoral Dissertation Fellowship, University of Connecticut, 2014
- ▶ McKnight Prize Semifinalist in Chemistry for Undergraduates at UT Southwestern, 2008
- ▶ Who's Who Among Students in American Colleges and Universities, 2008
- ▶ First Place in NSA / Rust College Technical Writing Program, 2007
- ▶ Ernest A. and Melverta G. Smith Alumni Artist / Lecture Series Certificate of Recognition, 2006 on of Ontario - Chartered Chemist (C. Chem.)

EDUCATION

Ph.D., Chemistry,
University of
Connecticut, 2015

M.S., Chemistry,
University of
Connecticut, 2014

B.Sc., *summa cum laude*,
Biology, Rust College,
2009

PRACTICE AREAS

Intellectual Property
Counseling
Patents

TECHNOLOGY AREAS

Chemical
Life Sciences &
Biotechnology
Medical Devices &
Diagnostics

Klarquist

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PROFESSIONAL ACTIVITIES

- ▶ Association of the Chemical Profession of Ontario - Chartered Chemist (C. Chem.)

PRESENTATIONS & PUBLICATIONS

- ▶ Nishio K, Pasquet L, **Camara K**, DiSapio J, Hsu KS, Kato S, Bloom A, Richardson SK, Welsh JA, Jiang T, Jones JC, Cardell S, Watarai H, Terabe M, Olkhanud PB, Howell AR, Berzofsky JA. [Lysosomal processing of sulfatide analogs alters target NKT cell specificity and immune responses in cancer.](#) J Clin Invest. 2023 Dec 21;134(4). doi: 10.1172/JCI165281. PubMed PMID: 38127463; PubMed Central PMCID: PMC10866642.
- ▶ Iyer KR, **Camara K**, Daniel-Ivad M, Trilles R, Pimentel-Elardo SM, Fossen JL, Marchillo K, Liu Z, Singh S, Muñoz JF, Kim SH, Porco JA Jr, Cuomo CA, Williams NS, Ibrahim AS, Edwards JE Jr, Andes DR, Nodwell JR, Brown LE, Whitesell L, Robbins N, Cowen LE. [An oxindole efflux inhibitor potentiates azoles and impairs virulence in the fungal pathogen Candida auris.](#) Nat Commun. 2020 Dec 22;11(1):6429. doi: 10.1038/s41467-020-20183-3. PubMed PMID: 33353950; PubMed Central PMCID: PMC7755909.
- ▶ Chua XY, Chai YL, Chew WS, Chong JR, Ang HL, Xiang P, **Camara K**, Howell AR, Torta F, Wenk MR, Hilal S, Venketasubramanian N, Chen CP, Herr DR, Lai MKP. [Immunomodulatory sphingosine-1-phosphates as plasma biomarkers of Alzheimer's disease and vascular cognitive impairment.](#) Alzheimers Res Ther. 2020 Sep 30;12(1):122. doi: 10.1186/s13195-020-00694-3. PubMed PMID: 32998767; PubMed Central PMCID: PMC7528375.
- ▶ Chen CD, Zeldich E, Khodr C, **Camara K**, Tung TY, Lauder EC, Mullen P, Polanco TJ, Liu YY, Zeldich D, Xia W, Van Nostrand WE, Brown LE, Porco JA, Abraham CR. [Small Molecule Amyloid-β Protein Precursor Processing Modulators Lower Amyloid-β Peptide Levels via cKit Signaling.](#) J Alzheimers Dis. 2019;67(3):1089-1106. doi: 10.3233/JAD-180923. PubMed PMID: 30776010; PubMed Central PMCID: PMC6474660.
- ▶ Betts RJ, Perkovic A, Mahapatra S, Del Bufalo A, **Camara K**, Howell AR, Martinozzi Teissier S, De Libero G, Mori L. [Contact sensitizers trigger human CD1-autoreactive T-cell responses.](#) Eur J Immunol. 2017 Jul;47(7):1171-1180. doi: 10.1002/eji.201746939. Epub 2017 May 23. PubMed PMID: 28440548; PubMed Central PMCID: PMC5570453.
- ▶ Kamat SS, **Camara K**, Parsons WH, Chen DH, Dix MM, Bird TD, Howell AR, Cravatt BF. [Immunomodulatory lysophosphatidylserines are regulated by ABHD16A and ABHD12 interplay.](#) Nat Chem Biol. 2015 Feb;11(2):164-71. doi: 10.1038/nchembio.1721. Epub 2015 Jan 12. PubMed PMID: 25580854; PubMed Central PMCID: PMC4301979.
- ▶ **Camara K**, Kamat SS, Lasota CC, Cravatt BF, Howell AR. [Combining cross-metathesis and activity-based protein profiling: new β-lactone motifs for targeting serine hydrolases.](#) Bioorg Med Chem Lett. 2015 Jan 15;25(2):317-21. doi: 10.1016/j.bmcl.2014.11.038. PubMed PMID: 25541002; PubMed Central PMCID: PMC4279111.
- ▶ Reeves JT, Lorenc C, **Camara K**, Li Z, Lee H, Busacca CA, Senanayake CH. [Carbamoyl anion addition to nitrones.](#) J Org Chem. 2014 Jun 20;79(12):5895-902. doi: 10.1021/jo500848a. Epub 2014 Jun 4. PubMed PMID: 24870397.

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PRESENTATIONS & PUBLICATIONS

- ▶ Reeves JT, **Camara K**, Han ZS, Xu Y, Lee H, Busacca CA, Senanayake CH. [The reaction of Grignard reagents with Bunte salts: a thiol-free synthesis of sulfides](#). Org Lett. 2014 Feb 21;16(4):1196-9. doi: 10.1021/ol500067f. Epub 2014 Feb 10. PubMed PMID: 24512478.
- ▶ Poster: Gordon Research Conference: Organic Reactions and Processes, Smithfield, RI. 2014. Olefin cross-metathesis of α -methylene- β -lactones for the rapid assembly of β -lactones as inhibitors of serine hydrolases: Lessons from nocardiolactone
- ▶ Poster: CT Organic Chemistry Symposium, Yale University, New Haven Connecticut. 2012. Olefin cross-metathesis for the rapid assembly of inhibitors of fatty acid synthase: Lessons from nocardiolactone
- ▶ Poster: R. T. Major Symposium, University of Connecticut Storrs, Connecticut. 2012. Olefin cross-metathesis for the rapid assembly of inhibitors of fatty acid synthase: Lessons from nocardiolactone
- ▶ Oral: American Chemical Society Conference, Philadelphia, Pennsylvania. 2012. Olefin cross-metathesis for the rapid assembly of inhibitors of fatty acid synthase: Lessons from nocardiolactone
- ▶ Poster: American Chemical Society Conference, Salt Lake City, Utah. 2009. Synthesis of carbohydrate-modified analogs of KRN7000

REPRESENTATIVE PATENTS

- ▶ *U.S. Patent No. 11,773,086*
- ▶ *U.S. Application No. 15/520,389*
- ▶ *U.S. Application No. 62/648,167*
- ▶ Commercialized Compound - KC01 (CAS# 1646795-59-6) - Sold by: Cayman Chemical; Medkoo Biosciences Inc.; LSBio; Chemical Book; Invivo Chem; AdooQ Bioscience; Chemsrsc; Clear Synth; BOC Sciences; and Sun-Shine Chem: KC01 is a covalent inhibitor of ABHD16A (IC50s = 90 and 520 nM for human and mouse, respectively)