



BARBARA S. KITCHELL, PH.D.

REGISTERED PATENT ATTORNEY
OF COUNSEL

- A.B. Chemistry
Goucher College
- M.S. Organic Chemistry
Indiana University
- Ph.D. Biophysical Chemistry
Duke University
- J.D. *magna cum laude*
North Carolina Central University

North Carolina Central University Law Review



AREAS OF PRACTICE

- U.S. and International Patent Prosecution
- Patentability Opinions
- Freedom-to-Operate Opinions
- Trademarks
- Utility, Design and Plant Patents

TECHNOLOGY AREAS

- Medicinal and Molecular Chemistry
- Cancer Drugs and Vaccines
- Pharmaceuticals
- Genetics
- Therapeutics
- Biotechnology
- Bioassays and Biosensors

PRIOR PROFESSIONAL EXPERIENCE

- *Partner*; Arnold, White & Durkee
- *Partner*; William, Morgan & Amerson
- *Counsel*; Akerman Senterfitt
- *Counsel*; Edwards Angell Palmer & Dodge
- *President*; Enzyme Technology Research Group, Inc.
- *Assistant Senior Organic Chemist*; Eli Lilly and Company

AWARDS AND RECOGNITION

- Board Certified in Intellectual Property Law by The Florida Bar
- Phi Beta Kappa
- *Arbitrator of the Year*, Better Business Bureau, Central Region of North Carolina

PROFESSIONAL MEMBERSHIPS & ACTIVITIES

- Registered to Practice before the United States Patent and Trademark Office (USPTO)
- The Florida Bar
- District of Columbia Bar Association
- North Carolina Bar Association
- Connecticut Bar Association
- Texas Bar Association

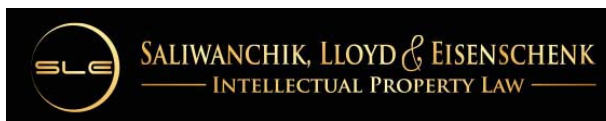
- American Bar Association
- American Chemical Society (ACS)
- Aircraft Owners and Pilots Association (AOPA)

SELECTED PUBLICATIONS

- "The effect of temperature on mixed function amine oxidase intrinsic fluorescence and oxidative activity" (1979) *Mol Pharmacol* 15, 131-137.
- "Optical and hydrodynamic studies of the structure of bacteriophage f2. II. Fluorescence of capsid" (1977) *Biochim Biophys Acta* 475,536.
- "The artifactual nature of heparin-induced drug protein binding alterations" *Clin Pharm Ther* 30, 636-643.
- "Heart and iver lipid fatty acid and behavior changes in mice after a diet change" (1984) *Life Sciences* 34,1620-1630.
- "Bioactive electrodes using metallo proteins attached to colloidal gold" (1987) *Neth. Chem Soc RECUEIL/ICBIC* 06,298.
- 5,262,313: "Carrageenan-immobilized esterase" (Kitchell, et al.) 1993
- 3,681,322: "Adducts of aliphatic and araliphatic aldehydes and erythromyclamine or erythromyclamine B" (Kitchell and Gerzon), 1970
- 3,652,537: "Epierythromyclamine B" (Massey and Kitchell)

SELECTED PATENTS

- 10,772,344: Therapeutic and Nutritional Compositions
- 8,623,446: Ultraviolet Activated Antimicrobial Surfaces
- 8,617,888: Bacterial Type III Secretion System Mediated Delivery of Reprogramming Factors
- 8,552,135: Substituted Polyalkoxysiloxane Compositions and Methods of Use
- 8,158,216: Spinulose Titanium Nanoparticulate Surfaces
- 8,114,657: Antimicrobial Protein Compositions and Production Thereof from Marine Bacteria
- 8,066,854: Antimicrobial Coating Methods
- 7,795,020: Tumor Cell Vaccines
- 7,348,015: Antigen Modified Cancer Cell Vaccines for Cancer Therapy
- 7,288,263: Compositions and Methods for Treatment of Skin Discoloration



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