

Wayne Plourde, JD, PhD

INTELLECTUAL PROPERTY SPECIALIST
& UNITED STATES PATENT AGENT

Date of Birth: January 02nd

Hometown: Wallingford, CT.



George Washington University, DC
University of Richmond, Richmond, VA
Golden Gate University, San Francisco, CA
University of California, Irvine, CA
University of Pennsylvania, PA
Northeastern University, Boston, MA
Clemson University, Clemson, SC
Kutztown University, Kutztown, PA

LLM in IP (2023)
JD
MSc. Fin.
MBA
Post Doctoral
Visiting Scientist
Ph.D.
B.Sc.

Intellectual Property Law
Law
Portfolio Mgmt
Health Care Mgmt
Biochemistry
Organic Chemistry
Organic Chemistry
Chemistry & Math

HONORS AND AWARDS

- **CALI Award** – *Analytical Methods for Lawyers*. University of West Virginia Law School.
- **Dean's List**. Charleston School of Law School, Charleston, SC.
- **VISITING RESEARCH SCIENTIST FELLOW**, Laboratory of Bioorganic and Medicinal Chemistry. Northeastern University, Boston, MA.
- **Ernst Giessen Travel Grant**. The Barnett Institute of Chemical Analysis and Materials Science, Northeastern University, Boston MA, Oct.
- **Biomedical Research Fellow**, Greenville Hospital Systems. Clemson University, Clemson, SC.
- **Outstanding Senior Chemistry Student award** - Lehigh Valley Section (ACS), Kutztown University, Kutztown PA.
- **Dean's List**. Kutztown University, Kutztown, PA.

PUBLICATIONS

- Farid S Fouad, Justin M Wright, Gary W. Plourde II, Ajay S Purohit, Justin K Wyatt, Ahmed El-Shafey, George Hynd, Curtis F Crasto, Yiqing Lin and Graham B Jones. Synthesis, and Protein Degradation Capacity of Photoactivated Eneidyne. *Journal of Organic Chemistry*, 70, 9789-9797.
- "Halo-Eneidyne: Probing the Electronic and Stereoelectronic Contributions to the Bergman Cycloaromatization," Gary W. Plourde II, Philip M. Warner, Dennis A. Parrish, and Graham B. Jones. Dept of Chemistry, Northeastern University, *J. Org. Chem.*, 67(15); 5369-74.
- G.Plourde II, et al., *Bioorg. Med. Chem. Lett.*, 12, 2985.
- Target Directed Eneidyne: Designed Estramycins. Graham B. Jones, George Hynd, Justin M. Wright, Gary W. Plourde II, Robert S. Huber, Jude E. Mathews, Aiwon Li, Michael W. Kilgore, Molly Yancisin, and Myles Brown *J. Org. Chem.*, 66, 3688.
- Understanding Eneidyne-Protein Interactions: Diyl Atom Transfer Results in Generation of Aminoacyl Radicals. Jones, G.B; Plourde II, G.W.; Wright, J.M. *J. Org. Lett.*, 2, 811.
- A Direct and Stereocontrolled Route to Conjugated Eneidyne. Graham B. Jones, Justin M. Wright, Gary W. Plourde II, George Hynd, Robert S. Huber, and Jude E. Mathews, *J. Am. Chem. Soc.*, 122, 1937.
- Photoactivated Eneidyne as Affinity Cleavage Agents. Graham Jones, Justin Wright, Gary Plourde II, Ajay D. Purohit, Justin Wyatt, George Hynd, and Farid Fouad *J. Am. Chem. Soc.*, 122, 9872.
- Electronic Control of the Bergman Cycloaromatization: Synthesis and Chemistry of Chloroenidyne. Jones, GB; Plourde II, GW. *J. Org. Lett.*, 2, 1757.
- Stereoselective Access to Eneidyne Building Blocks, Hynd, G; Jones, G. B.; Plourde II, G. W.; Wright, J. M. *Tetrahedron Lett.*, 40, 4481.
- Preparation of Dicobalt Hexacarbonyl Complexes of Ten Membered Carbo and Heterocyclic 3-Hex-ene-1,5-diyne [Eneidyne], Jones G.B.; Wright, J. M.; Rush, T. M.; Plourde II, G.W.; Davidson, J. P.; Mathews, J. M.; Huber, R. S. *J. Org. Chem.*, 62, 9379.
- Deiodination Reactions using Tributyltin Hydride for Potential Labelling Experiments. Zippi, E.; Plourde II, G.W.; Satyamurthy, N. *Journal of Labelled Compounds and Radiopharmaceuticals*, 36, 361.
- Dehalogenation through Hydride Chemistry: Results of Deiodinations of 2,4-Dinitro-1-iodobenzene at Room Temperature and at -10C using Tributyltin Hydride, Plourde II, G.W.; Zippi, E. *Journal of the Pennsylvania Academy of Science*, Supplement and Index Issue, 68, 191.

DR. PLOURDE'S PROFESSIONAL BIO

I specialized in Medicinal and Organic Chemistry for my Doctoral work. During this time, my research focused on breast and prostate cancers. Afterwards, I focused on Molecular Biology / Biochemistry during an academic post-doc at the University of Pennsylvania. At PENN, I worked in the Cancer Center and my responsibilities included both management of the lab and medical research. I managed the Nucleic Acid Facility while also conducting medical research in the area of Molecular Beacons with the medical school at the University of Pennsylvania. MANAGEMENT: As the manager of the Nucleic Acid Facility at PENN, I Provided Peptide / Oligo conjugate consultation on synthetic methods for campus-wide inquiries regarding the synthesis of DNA/RNA oligos and oligo-peptide conjugates. A RESEARCH collaboration between the Cancer Center and the University of Pennsylvania's Medical School focused on: the synthesis of modified oligonucleotides. Examples Include: Molecular Beacons (MB), small interfering RNA (siRNA) 21mers, and Protein Transduction Domain (PTD) conjugated Molecular Beacons. Two Protein Transduction domains that I worked on include: antennapedia & TAT peptides. Following my postdoctoral work at PENN, I landed a job in Intellectual Property (IP) at a law firm in New York City and have been involved in IP and Technology Transfer ever since. I am currently a registered US Patent Agent; and after passing the State Bar, I will be a registered US Patent Attorney.

WAYNE'S PERSONAL BIO

Here are some of my interests and things you will find me doing in the evenings, weekends, or whenever I can find some spare time: Sailing, Studying the German, Russian & French languages, Billiards, Hiking and Camping, I play the flute, and I read a lot. Some books that I really enjoyed are: Stephen Hawking's A Brief History of Time: From the Big Bang to Black Holes; Herman Hesse's Siddhartha; Michael Pollan's The Omnivore's Dilemma; Thomas L. Friedman's The World is Flat: A Brief History of the Twenty-first Century; Ayn Rand's Atlas Shrugged; and Friedrich Nietzsche's Beyond Good and Evil. I am now working on Chris Voss' Never Split the Difference: Negotiating As If Your Life Depended On It; Robert Pirsig's Zen and the Art of Motorcycle Maintenance: an Inquiry into Values; and listening to Pimsleur CDs in my car to improve my German language skills. Some of my other personal interests are: Tennis; Wine-tasting; Japanese, Italian, and other cultural cuisine; and For-Ex Trading & Finance.