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Current Positions: Adjunct Professor of Organic Chemistry, Quinnipiac University, Hamden CT
AP, IB, and Accelerated Chemistry Teacher, Guilford High School, Guilford, CT

Education:

B.S Chemistry University of Connecticut, 1981

M.S. Chemistry University of Massachusetts at Boston [1989](#)

Ph. D. Chemistry Wesleyan University [1994](#)

Postdoctoral Experience: University of Hawaii (Professor, Scheuer, [1995](#)); University of Michigan ([1996](#));
Wayne State University ([1997](#))

Teaching Experience:

Organic Chemistry Laboratory Instructor, [University of Massachusetts at Boston](#) 1987-1988

Organic Chemistry Instructor, [Wayne State University](#) (1997), Detroit, MI

General and Organic Chemistry Teaching Assistant (while at UMass and Wesleyan)

Chemistry Teacher, [Glastonbury High School](#) (2005-2007), Glastonbury, CT

Chemistry Teacher, [Guilford High School](#) (2007-present), Guilford, CT

Chemistry Adjunct Professor, [Quinnipiac University](#) (2013-present)

Professional Experience

1998-2005: Senior Scientist, [Neurogen Corporation](#), Branford CT

1983-1986: Explosives Chemist, [Ensign-Bickford Industries](#), Simsbury, CT

1981-1983 Cancer Research Chemist, [American Health Foundation](#), Valhalla, NY

Scientific Publications

Books, Book Chapters, and Online Sites

1. [Chemistryacademy](#) (2017).
2. [Chemistryadventure](#) (2013).
3. [Natural Products from Plants](#), 2nd Edition, CRC Press, Peter B. Kaufman, Editor. Chapter 1: H. Brielmann, W. Setzer, Phytochemicals: The Chemical Components of Plants (2005).
4. [Handbook of Molecular and Cellular Methods in Biology and Medicine](#), 2nd Edition CRC Press, Peter B. Kaufman, Editor. Chapter 24: H. Brielmann, Combinatorial Methods (2003).
5. [Natural Products from Plants](#), 1st Edition, CRC Press, Peter B. Kaufman, Editor. Chapter 1: H. Brielmann, Phytochemicals: The Chemical Components of Plants (2001).

U.S. Patents

1. US Patent [8,334,382](#) (2012). Substituted biaryl piperazinyl-pyridine analogues
2. US Patent [7,662,830](#) (2010). Substituted biaryl piperazinyl-pyridine analogues
3. US Patent [7,432,275](#) (2008). Capsaicin receptor modulators
4. US Patent [7,329,664](#) (2008). Substituted (7-pyridyl-4-phenylamino-quinazolin-2-yl)-methanol analogues
5. US Patent [7,304,059](#) (2007). Substituted quinazolin-4-ylamine analogues
6. US Patent [7,074,799](#) (2006). Substituted quinazolin-4-ylamine analogues
7. US Patent [6,566,367](#) (2003). Preparation of neuropeptide Y receptor modulators
8. US Patent [6,358,949](#) (2002). Preparation of bradykinin B2 receptor modulators
9. US Patent [5,455,087](#) (1995). Coating composition for glass containers.
10. US Patent [5,112,658](#) (1992). Coating composition for glass containers.
11. US Patent [4,707,076](#) (1987). Coating composition for optical fibers.

Research Publications

1. Discovery of Novel 6,6-Heterocycles as Transient Receptor Potential Vanilloid (TRPV1) Antagonists. Blum, C.A., Briemann, H. et al [*Journal of Medicinal Chemistry*, 2010, 53, 3330-3348.](#)
2. Aminoquinazolines as TRPV1 Antagonists: Modulation of Drug-Like Properties Through the Exploration of 2-Position Substitution. Blum, C.A., Briemann, H. et al [*Bioorganic and Medicinal Chemistry*, 2008, 18, 4573-4577.](#)
3. From Arylureas to Biaryl amides to Aminoquinazolines: Discovery of a Novel, Potent TRPV1 Antagonist. Blum, C.A., Briemann, H. et al, [*Bioorganic and Medicinal Chemistry*, 2006, 16, 5217-5221.](#)
4. A Comparative Survey of Leguminous Plants as Sources of the Isoflavones Genistein and Daidzein. Implications for Human Nutrition and Health. Kaufman, P.A., Duke, J.A., Briemann, H. *The Journal of Alternative and Complementary Medicine*, 1997, 3, 7-12 ([full text](#))
5. Nickel-Catalyzed Heterocycle Construction with Stereoselective Exocyclic Alkene Introduction. Montgomery, J., Chevliakov, M.V., Briemann, H. [*Tetrahedron*, 1997, 53, 16449-16462.](#)
6. Cyclic Enamides from Acetylenic Amides. Jacobi, P. A., Briemann, H. L., Hauck, S. I. [*Journal of Organic Chemistry*, 1996, 61\(15\), 5013-5023.](#)
7. New Synthetic Approaches to 5-Alkylidene-2-cyclopentenones and Ene Pyrrolidinones. Briemann, H. Ph. D. [Dissertation](#), Wesleyan Univ., Middletown, CT, USA. (1994).
8. Synthesis of Cyclic Enamides by Intramolecular Cyclization of Acetylenic Amides. Jacobi, P.A., Briemann, H., Hauck, S.I. [*Tetrahedron Letters*, 1995, 36, 1193-6.](#)
9. Enynones in Organic Synthesis. 7. Substituent Effects on the Tocopherol-Catalyzed Cyclization of Enynones to Methylenecyclopentenones. Convenient Syntheses of Members of the Methylenomycin Class of Antibiotics. Jacobi, P.A., Briemann, H., Cann, R.O. [*Journal of Organic Chemistry*, 1994, 59, 5305-16.](#)
10. Enynones in Organic Synthesis. 6. Synthesis of Spirocyclic Methylenecyclopentenones and Analogs of the Methylenomycin Class of Antibiotics. Mechanism of Phenol Catalysis. Jacobi, P.A., Armacost, L.M., Briemann, H., Cann, R.O., Kravitz, J.I., Martinelli, M.J. [*Journal of Organic Chemistry*, 1994, 59, 5292-304.](#)
11. A study of chemical carcinogenesis. 57. Synthesis and mutagenicity of dihydrodiol metabolites of benzo[b]fluoranthene. Amin, S., Hussain, N., Briemann, H., Hecht, S., [*Journal of Organic Chemistry*, 1984, 49, 1091-5.](#)