

Richard Alan Blatchly

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Positions Held:

- Department Chair, Keene State College, 2008-present.
- Fulbright Research Scholar, Aquitaine Region, France, 2004-2005.
- Associate Professor, Keene State College, 1994-present
- Assistant Professor, Keene State College, 1991-1994.
- Five College Associate, Amherst College, 1990 to 1991.
- Assistant Professor, Williams College, 1983 to 1990.
- Visiting Assistant Professor, Penn. State University 1987-8,
associated with S. J. Benkovic.

Educational Preparation

	Institution	Degree	Field of Study	Date of Award
1.	Williams College	BA	Chemistry	1976
2.	Columbia University	Ph. D. (K. Nakanishi)	Chemistry	1981
3.	Univ. Calif., San Francisco	Post-doctoral research fellow (G. Kenyon)	Chemistry	1981-3

Publications:

1. Blatchly, R. A., Delen, Z., O'Hara, P, J. Chem. Ed., submitted for publication 2013; "Making Sense of Olive Oil: Chemistry connecting observations with standards- Experimental Approaches."

2. Kiagus-Armad, R.; Brizard, A.; Tang, C.; Blatchly, R.; Desbat, B.; and Oda, R. "Cooperative and reciprocal chiral structure formation of an alanine-based peptide confined at the surface of cationic surfactant membranes." *Chemistry* 2011, 17, 9999-10009.
3. Richard A. Blatchly and Loren Launen, "Modeling interdisciplinary research in the undergraduate teaching laboratory: Development of a linked microbiology and chemistry lab experience for analysis of the fungal oxidation of pyrene." Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, United States, March 21-25, 2010, CHED-1584
4. M. Slutsky, R. A. Blatchly and G. N. Tew, "Foldamers: Nanoscale Shape Control at the Interface Between Small Molecules and High Polymers." *Physical Properties of Polymers Handbook* (Springer, 2nd edition, 2007), pp 699-714.
5. Fulbright Scholar Stories, featured on Fulbright main web page at http://www.cies.org/stories/s_rblatchly.htm, Sept. 2005.
6. R. A. Blatchly and G. N. Tew, *J. Org. Chemistry*, **68** 8780-5 (2003). "Theoretical Study of Helix Formation in Substituted Phenylene Ethynylene Oligomers"
7. Ticora V. Jones, Richard A. Blatchly[†] and Gregory N. Tew, *Org. Lett.*, **5**(18): p. 3297-9 (2003). "Synthesis of Alkoxy-Substituted *Ortho*-Phenylene Ethynylene Oligomers"
8. P. Yuan, M. R. Driscoll, D. E. Hansen, and R. A. Blatchly, *Tetrah. Lett.*, **35**, 6195-6198 (1994). The Synthesis of Cyclobutanol-Containing Dipeptide Analogs.
9. J. Inglese, R. A. Blatchly, S. J. Benkovic, *J. Med. Chem.*, **32**, 937-8 (1989). A Multisubstrate Adduct Inhibitor of GAR Transformylase Possessing a Picomolar Dissociation Constant.
10. Inglese, R. A. Blatchly, S. J. Benkovic, US Patent #269510. Transition state analog inhibitors of glycinamide ribonucleotide transformylase for use as anti-gout or anti-cancer agents.

11. Richard A. Blatchly, Timothy R. Allen, Dirk T. Bergstrom and Yuji Shinozaki, *J. Chem. Ed.*, **66**, 965-967 (1989). Microscale Synthesis and Analysis of a Dipeptide.
12. Richard A. Blatchly, Michael A. Greeley, and J. Hodge Markgraf, *Heterocycles*, **29**, 2345-51 (1989). The Skraup Reaction of 3,4-Dihaloanilines.
13. O. Muto, F. Tokunaga, T. Yoshizawa, V. Kamat, R. A. Blatchly, V. Balogh-Nair, and K. Nakanishi, *Biochim. Biophys. Acta*, **766**, 597-602 (1984). Photochemical Reaction of 7,8-Dihydrorhodopsin at Low Temperatures.
14. R. A. Blatchly and K. Nakanishi, *Methods in Enzymology*, **88**, 491-6 (1982). Use of HPLC to Separate and Identify Retinals.
15. J. H. Markgraf, R. A. Blatchly, B. M. Peake and A. S. Huffadine, *J. Chem. Eng. Data*, **27**, 473-4 (1982). Basicities of Selected Quinoxalines.
16. R. A. Blatchly, J. D. Carriker, V. Balogh-Nair, and K. Nakanishi, *J. Am. Chem. Soc.*, **102**, 2495-6 (1980). Adamantyl Allenic Rhodopsin. Leniency of the Ring Binding Site on Bovine Opsin.
17. R. A. Blatchly, Ph.D. Thesis, Columbia Univ., NY, NY (1981). I: Allenic Rhodopsin--Probing the Binding Site of Bovine Rhodopsin. II: Low Temperature and Infrared Spectroscopy of Bovine Rhodopsins.
18. J. H. Markgraf, J. H. Antin, F. J. Walker and R. A. Blatchly, *J. Org. Chem.*, **44**, 3261 (1979). 6,7-Dihydrocyclobuta[g]quinoline.

Presentations:

1. "Making Olive Chemistry Visible: Simple Demonstrations with Olive Oil." at the New Hampshire Science Teachers' Conference, Keene, NH, March 2013.
2. "The Science Behind the Health Benefits of Olive Oil" at the New York International Olive Oil Competition, New York, NY, April 2013.

3. "Demystifying Olive Oil, Colby College, April 2013.
4. "Building Bridges: Keene State College Integrated Studies Program", presented at Ege'de Atölier Planning Conference, Istanbul, Turkey, August, 2010.
5. "Modeling Interdisciplinary Research in the Undergraduate Teaching Laboratory: Development of a Linked Microbiology and Chemistry Lab Experience for Analysis of the Fungal Oxidation of Pyrene ", Brooks, E., Blatchly, R. and L. Launen , presented at 239th American Chemical Society National Meeting, San Francisco, CA, March, 2010.
6. "Multicultural Molecules," for Midyear Meeting of Fulbright Scholars in France, Feb. 6, 2005.
7. "Ortho-Phenyleneethynylene Oligomers: Synthesis, Theory, Analysis." Institut Europeen de Biologie et Chimie (IECB), November 17, 2004.
8. "Do We Translate Chemistry or Chemists?," at the Society for Literature and Science's Annual Conference "Thinking the Brain and Beyond." November 5-8, 1998.
9. "Theoretical Study of Phenylene Ethynylene Oligomers: Why Do They Fold?" Poster presentation at Polymer Science and Engineering Fall Meeting, UMass. October, 2002.
10. UNH Chemistry Dept, Feb. 1997. Title: "The Power of Stories: New Ways to Teach One-Semester Organic Chemistry."

Workshops

Green Chemistry, Univ. Oregon, July 22-27, 2007.

Green Chemistry, Simmons College, August 17-18, 2007

Honors and Societies:

Member American Chemical Society, 1976 to present

Member Am. Assoc. Advancement of Science, 1981 to present

Honorary Director, Ege'de Atölye (Educational Institute)