

CURRICULUM VITAE: *Kevin D. Moeller***Name and Address**

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Personal

Birth - Scranton, Pennsylvania (November 25, 1958)
Married - Tracy Anne Jeffras (August 30, 1980)
Children - Jason Nathaniel (September 20, 1986)
 Kimberly Nicole (August 2, 1988)

Education

NIH Postdoctoral Fellow, Organic Synthesis, 1985-1987
Advisor: Professor Barry M. Trost
University of Wisconsin, Madison

Ph.D., Organic Chemistry, September 1985
Advisor: Professor R. Daniel Little
University of California, Santa Barbara

B.A., Chemistry, June 1980
University of California, Santa Barbara

September 1976 - June 1978: Attended L.A. Pierce College in
Woodland Hills, CA.

Employment Record

Professor of Chemistry, Washington University, July 1999 - present

Member - Division of Biology and Biomedical Sciences, Washington University,
Sept. 1991 - present

Associate Professor of Chemistry, Washington University, July 1993 - June 1999

Assistant Professor of Chemistry, Washington University, August, 1987- June, 1993

Awards, Honors, and Service

Member of the Executive Committee for the Organic and Biological Electrochemistry Division of The
Electrochemical Society 2006-

Co-organizer for: "New Frontiers in Synthetic and Mechanistic Organic Electrochemistry". Held in
conjunction with the Fall 2008 PRIME meeting between The Electrochemical Society and The
Electrochemical Society of Japan – Division of Organic and Biological Electrochemistry, Honolulu,
Hawaii. October 12-17, 2008.

Co-organizer for: "New Developments in Synthetic and Mechanistic Organic Electrochemistry". Held in conjunction with the Spring 2008 Meeting of The Electrochemical Society – Division of Organic and Biological Electrochemistry, Phoenix, Arizona. May 18-22, 2008. Served as Editor for the ECS Transactions volume published on the meeting.

NSF Chemistry Division - SBIR review panel. July 2007

Co-organizer for: "New Developments in Synthetic and Mechanistic Organic Electrochemistry". Held in conjunction with the Fall 2004 meeting of The Electrochemical Society – Division of Organic and Biological Electrochemistry, Honolulu, Hawaii. October 4-5, 2004.

Washington University Student Union – College of Arts and Sciences Professor of the Year 2001

Member – Selection Committee for the ACS Bioorganic Chemistry Award 1998-2000

Co-organizer for: "New Concepts and Methodologies for Organic Electrochemistry". Held in conjunction with the Fall 1999 meeting of The Electrochemical Society - Division of Organic and Biological Electrochemistry, Honolulu, Hawaii. October 17-22, 1999.

Member – Selection Committee for the Fourth International Manuel M. Baizer Award - 1999

State of Texas, Robert A. Welch Lecturer - 1999

Named one of Los Angeles Pierce College's "50 Most Outstanding Alumni". April 1998.

Symposium Organizer for the "Third International Manuel M. Baizer Award Symposium on Organic Electrochemistry". Held in conjunction with the 193rd meeting of The Electrochemical Society, San Diego, California. May 3-8, 1998.

Member of the International Science Advisory Board for the 3rd International Symposium on Electroorganic Synthesis - Kurashiki, Japan, 1997.

American Chemical Society's "St. Louis Award", 1997

Symposium Organizer for: "Biology and Electrochemistry: An Emerging Interface". Held in conjunction with the Spring 1997 meeting of The Electrochemical Society - Division of Organic and Biological Electrochemistry, Montreal, Canada. May 7-9, 1997.

NIH - Bioorganic and Natural Products Special Study Section Member. November 1996

NSF Chemistry Division - SBIR review panel. September 1996

NSF Chemistry Division - SBIR review panel. September 1995

Member of the International Science Advisory Board for the 2nd International Symposium on Electroorganic Synthesis - Kurashiki, Japan, Sept. 27-30, 1994.

Co-organizer for a Symposium Honoring Professor T. Shono. Held in conjunction with the Spring 1994 meeting of The Electrochemical Society - Division of Organic and Biological Electrochemistry, San Francisco, California.

Honorary Member, Alpha Epsilon Delta (the National Pre-Medical Honor Society)
Elected by the Missouri Beta Chapter for contributions to pre-medical education at Washington University, April 1994.

Pew Faculty Development Award, 1990

NIH Postdoctoral Fellowship
October 1985 - July 1987

B.R. Baker Memorial Award for graduate studies in chemistry.
University of California, Santa Barbara, 1985

Outstanding Graduating Senior in Chemistry at the University of
California, Santa Barbara, 1980

Lockheed Management Club Scholarship Award
Lockheed California Company, 1979-1980

Research Interests

Synthetic organic chemistry; electrochemistry; new synthetic methodology involving highly reactive radical ion intermediates; application of coupled electrochemical-chemical reaction strategies for the synthesis of complex organic molecules; new synthetic routes for the rapid construction of constrained peptidomimetics and other modified peptide derivatives; the design and synthesis of targeted chemical probes for biological receptors; the development of synthetic methods for spatially isolating chemical reactions at pre-selected sites on semiconducting chips that contain microarrays of addressable electrodes.

Publications

1. "Consequences of Intramolecular Diyl Trapping Reactions Using Unactivated Diyllophiles. A Short, Convergent Synthesis of Hirsutene." R. Daniel Little, Richard G. Higby, and Kevin D. Moeller *J. Org. Chem.* **1983**, *48*, 3139-3140.
2. "Asymmetric Induction in the Intramolecular 1,3-Diyl Trapping Reaction Through the Use of Menthyl and 8-Phenylmenthyl Esters. An Unexpected Result." R. Daniel Little and Kevin D. Moeller *J. Org. Chem.* **1983**, *48*, 4487-4492.
3. "Intramolecular 1,3-Diyl Trapping Reactions: Use of a Diyllophile Directly Linked to the Diyl. Preparation of Bicyclic Furans." R. Daniel Little and Kevin D. Moeller *Tetrahedron Lett.* **1985**, *26*, 3417-3420.
4. "Intramolecular 1,3-Diyl Trapping Reactions: Total Synthesis of (+)-Hypnophillin and (+)-Coriolin. Formation of Trans Fused Bicyclo[3.3.0] Ring Systems." R. Daniel Little, Luc Van Hijfte, Jeffrey L. Peterson, and Kevin D. Moeller *J. Org. Chem.* **1987**, *52*, 4647-4661.
5. "A [3 + 2] Cycloaddition Strategy to the Phyllanthocin Ring System." Barry M. Trost and Kevin D. Moeller *Heterocycles* **1989**, *28*, 321-331.
6. "Electrochemical Amide Oxidations in the Presence of Monomethoxylated Phenyl Rings. An Unexpected Relationship Between the Chemoselectivity of the Oxidation and the Location of the Methoxy Substituent." Kevin D. Moeller, Sharif Tarazi, and Mohammad R. Marzabadi *Tetrahedron Lett.* **1989**, *30*, 1213-1216.
7. "Oxidative Organic Electrochemistry: A Novel Intramolecular Coupling of Electron Rich Olefins." Kevin D. Moeller, Mohammad R. Marzabadi, Michael Y. Chiang, Dallas G. New and Shari Keith *J. Am. Chem. Soc.* **1990**, *112*, 6123-6124.
8. "Anodic Amide Oxidations in the Presence of Electron Rich Phenyl Rings: Evidence for an Intramolecular Electron Transfer Mechanism." Kevin D. Moeller, Po W. Wang, Sharif Tarazi, Mohammad R. Marzabadi, and Poh Lee Wong. *J. Org. Chem.* **1991**, *56*, 1058-1067.
9. "Anodic Amide Oxidations: A Convenient Procedure for Annulating Six and Seven Membered Rings Onto Amines." Kevin D. Moeller, Scott L. Rothfus, and Poh Lee Wong *Tetrahedron (Symposia-in-Print Number 42)* **1991**, *47*, 583-592. (Invited)
10. "Intramolecular Anodic Olefin Coupling Reactions: The Use of Allylsilanes." Kevin D. Moeller and Christine M. Hudson *Tetrahedron Lett.* **1991**, *32*, 2307-2310.
11. "Oxidative Organic Electrochemistry: Intramolecular Enol Ether Coupling Reactions." Kevin D. Moeller and Luzviminda V. Tino In *Electroorganic Synthesis-Festschrift in Honor of Manuel M. Baizer*, Ed. Little, R.D.; Weinberg, N.L., Marcel Dekker, Inc., New York, 1991, pp. 153-160. (Invited)

12. "Intramolecular Anodic Olefin Coupling Reactions: A Useful Method for Carbon-Carbon Bond Formation." Christine M. Hudson, Mohammad R. Marzabadi, Kevin D. Moeller, and Dallas G. New *J. Am. Chem. Soc.* **1991**, *113*, 7372-7385.
13. "Anodic Enol Ether Coupling Reactions: A Novel Route for the Construction of Cyclic 1,4-Dicarbonyl Equivalents." Kevin D. Moeller and Luzviminda V. Tino *J. Am. Chem. Soc.* **1992**, *114*, 1033-1041.
14. "Factors Affecting Regioselectivity in the Intramolecular Diyl Trapping Reaction." R. Daniel Little, Mohammad R. Masjedizadeh, Kevin D. Moeller, and Ingeborg Dannecker-Doerig *Synlett* **1992**, *2*, 107-113.
15. "Conformationally Constrained Thyroliberin Analogs: A Novel Electrochemical Route to a Key Rigid Pro-Phe Building Block." Kevin D. Moeller and Scott L. Rothfus. *Tetrahedron Lett.* **1992**, *33*, 2913-2916.
16. "Anodic Amide Oxidations: A Total Synthesis of the Angiotensin-Converting Enzyme Inhibitor A58365A." Kevin D. Moeller and Poh Lee Wong. *Bioorg. Med. Chem. Lett.* **1992**, *2*(7), 739-742.
17. "Reductive Routes to Rigid Peptide Analogs: The Dependence of a Chemoselective Imide Reduction on the Nature of an α -Alkoxy Substituent." Kevin D. Moeller and Cathleen E. Hanau. *Tetrahedron Lett.* **1992**, *33*, 6026-6029.
18. "Anodic Amide Oxidations: The Synthesis of Two Spirocyclic L-Pyroglutamide Building Blocks." Kevin D. Moeller and Lawrence D. Rutledge. *J. Org. Chem.* **1992**, *57*, 6360-6363.
19. "Intramolecular Anodic Olefin Coupling Reactions: The Use of Allyl- and Vinylsilanes in the Construction of Quaternary Carbons." Kevin D. Moeller, Christine M. Hudson, and Luzviminda V. Tino-Wooldridge. *J. Org. Chem.* **1993**, *58*, 3478-3479.
20. "Anodic Amide Oxidations: The Total Syntheses of (-)-A58365A and (-+)-A58365B." Poh Lee Wong and Kevin D. Moeller *J. Am. Chem. Soc.* **1993**, *115*, 11434-11445.
21. "The Use of HMQC-TOCSY Experiments for Elucidating the Structures of Bicyclic Lactam Peptide Mimetics: Uncovering a Surprise Rearrangement in the Synthesis of a Key Pro-Phe Building Block." Kevin D. Moeller, Cathleen E. Hanau, and André d'Avignon. *Tetrahedron Lett.* **1994**, *35*, 835-838.
22. "Intramolecular Anodic Olefin Coupling Reactions and the Use of Vinylsilanes: Evidence for a Reversible Radical Type Mechanism." Christine M. Hudson and Kevin D. Moeller. *J. Am. Chem. Soc.* **1994**, *116*, 3347-3356.
23. "Intramolecular Anodic Olefin Coupling Reactions: A New Approach to the Synthesis of Angularly Fused Tricyclic Enones." Luzviminda V. Tino-Wooldridge, Kevin D. Moeller, and Christine M. Hudson. *J. Org. Chem.* **1994**, *59*, 2381-2389.
24. "Intramolecular Anodic Olefin Coupling Reactions: Initial Studies Concerning the Use of Electron-Rich Aryl Rings." Kevin D. Moeller and Dallas G. New. *Tetrahedron Lett.* **1994**, *35*, 2857-2860.
25. "Application of HMBC and HMQC-TOCSY NMR Methods to Assign the Structure of Bicyclic-Peptide Mimetics." D. Andre' d'Avignon, Cathleen E. Hanau, Yvette M. Fobian, and Kevin D. Moeller. *Coordination Chem.* **1994**, *32*, 135-144. (Invited)
26. "Anodic Amide Oxidations: Conformationally Restricted Peptide Building Blocks From the Direct Oxidation of Dipeptides." Fabrice Cornille, Yvette M. Fobian, Urszula Slomczynska, Denise D. Beusen, Garland R. Marshall, and Kevin D. Moeller. *Tetrahedron Lett.* **1994**, *35*, 6989-6992.
27. "Intramolecular Anodic Olefin Coupling Reactions: The Use of Furans." Kevin D. Moeller and Zerom Tesfai. *J. Electrochem. Soc. Jpn. (Denki Kagaku)* **1994**, *62*, 1115-1118. (Invited)
28. "Electrochemical Cyclization of Dipeptides toward Novel Bicyclic, Reverse-Turn Peptidomimetics. I. synthesis and conformational Analysis of 7,5-Bicyclic Systems." Fabrice Cornille, Urszula Slomczynska, Mark L. Smythe, Denise D. Beusen, Kevin D. Moeller, and Garland R. Marshall. *J. Am. Chem. Soc.* **1995**, *117*, 909-917.
29. "New Advances in the Intramolecular Trapping of Anodically Generated Radical Cations." Zerom Tesfai, Dallas G. New, and Kevin D. Moeller. In *Novel Trends in Electroorganic Synthesis* Ed. Torii, S.; Kodansha, Tokyo, 1995, pg. 17-20. (Invited)
30. "Anodic Amide Oxidations: New Routes to Conformationally Restricted Peptide Mimetics." Fabrice Cornille, Yvette M. Fobian, Wenhao Li, Urszula Slomczynska, Denise D. Beusen, Garland R. Marshall, and Kevin D. Moeller. In *Novel Trends in Electroorganic Synthesis* Ed. Torii, S.; Kodansha, Tokyo, 1995, pg. 317-320. (Invited)
31. "Conformationally Restricted Peptide Mimetics: The Incorporation of 6,5-Bicyclic Lactam Ring Skeletons Into Peptides." Wenhao Li, Cathleen E. Hanau, André d'Avignon, and Kevin D. Moeller. *J. Org. Chem.* **1995**, *60*, 8155-8170.
32. "Electrochemical Cyclization of Dipeptides for Form Novel Bicyclic, Reverse-turn Peptidomimetics: II. Synthesis and Conformational Analysis of 6,5-Bicyclic Systems." Slomczynska, U.; Chalmers, D. K.;

- Cornille, F.; Smythe, M. L.; Beusen, D. D.; Moeller, K. D.; Marshall, G. R. *J. Org. Chem.* **1996**, *61*, 1198-1204.
33. "Intramolecular Anodic Olefin Coupling Reactions and the Use of Electron Rich Aryl Rings." Dallas G. New, Zerom Tesfai, and Kevin D. Moeller. *J. Org. Chem.* **1996**, *61*, 1578-1598.
 34. "New Routes to Conformationally Restricted Peptide Building Blocks: A Convenient Preparation of Bicyclic Piperazinone Derivatives." Yvette M. Fobian, D. Andre d'Avignon, Kevin D. Moeller. *Bioorg. Med. Chem. Lett.* **1996**, *6*, 315-318.
 35. "Conformationally Restricted TRH Analogs: A Probe for the Pyroglutamate Region." Lawrence D. Rutledge, Jeffery H. Perlman, Marvin C. Gershengorn, Garland R. Marshall, and Kevin D. Moeller. *J. Med. Chem.* **1996**, *39*, 1571-1574.
 36. "Restricted Analogs Delineate the Biologically Active Conformation of Thyrotropin-Releasing Hormone." Liisa Laakkonen, Wenhao Li, Jeffrey H. Perlman, Frank Guarneri, Roman Osman, Kevin D. Moeller, and Marvin C. Gershengorn. *Mol. Pharmacol.* **1996**, *49*, 1092-1096.
 37. "Conformationally Restricted TRH Analogs: The Compatibility of a 6,5-Bicyclic Lactam Based Mimetic with Binding to TRH-R." Wenhao Li and Kevin D. Moeller. *J. Am. Chem. Soc.* **1996**, *118*, 10106-10112.
 38. "Anodic Electrochemistry and the Use of a 6-Volt Lantern Battery: A Simple Method for Attempting Electrochemically Based Synthetic Transformations." Dean A. Frey, Nicholas Wu, and Kevin D. Moeller. *Tetrahedron Lett.* **1996**, *37*, 8317-8320.
 39. "Intramolecular Carbon-Carbon Bond Forming Reactions at the Anode." Kevin D. Moeller. *Topics in Current Chemistry* **1997**, *185*, 49-86. (Invited)
 40. "Conformational Studies and Stereochemical Assignment of a Bicyclic Lactam Containing Peptide Fragment by Two-Dimensional NMR Spectroscopy." Jeff Kao, Wenhao Li, and Kevin D. Moeller. *Magnetic Resonance in Chemistry* **1997**, *35*, 267-272.
 41. "Intramolecular Anodic Olefin Coupling Reactions: The Use of an Allylic Alkoxy Group for Controlling Relative Stereochemistry." Dean A. Frey, Jeffery A. Marx, and Kevin D. Moeller. *Electrochim. Acta* **1997**, *42*, 1967-1970. (Invited)
 42. "Intramolecular Anodic Olefin Coupling Reactions." Kevin D. Moeller. *Proc. Electrochem. Soc.: Fundamentals and Potential Applications of Electrochemical Synthesis* **1997**, *6*, 13-24. (Invited)
 43. "Conformationally Constrained Peptide Mimetics: The Use of a Small Lactam Ring as an HIV-1 Antigen Constraint." Robert D. Long and Kevin D. Moeller. *J. Am. Chem. Soc.* **1997**, *119*, 12394-12395.
 44. "Anodic Electrochemistry: Recent Advances in the Total Synthesis of Complex Organic Molecules." Kevin D. Moeller, Dean Frey, Laura Matson-Beal, Santhaparam H. K. Reddy, and Yunsong Tong. In *Novel Trends in Electroorganic Synthesis* Ed. S. Torii; Springer, Tokyo, 1998, pg. 51-54. (Invited)
 45. "A Sequential Electrochemical Oxidation - Olefin Metathesis Strategy for the Construction of Bicyclic Lactam Based Peptidomimetics." Laura M. Beal and Kevin D. Moeller. *Tetrahedron Lett.* **1998**, *39*, 4639-4642.
 46. "Conformational Probes for Elucidating the Nature of Substance P Binding to the NK₁ Receptor: Initial Efforts to Map the Phe⁷-Phe⁸ Region. Yunsong Tong, Yvette M. Fobian, Meiye Wu, Nicholas A. Boyd, and Kevin D. Moeller. *Bioorg. Med. Chem. Lett.* **1998**, *8*, 1679-1682.
 47. "Intramolecular Anodic Olefin Coupling Reactions: The Construction of Bridged Bicyclic Ring Skeletons." S. Hari Krishna Reddy and Kevin D. Moeller. *Tetrahedron Lett.* **1998**, *39*, 8027-8030.
 48. "Thyrotropin Releasing Hormone Analogs: A Building Block Approach to the Construction of Tetracyclic Peptidomimetics." Wenhua Chu, Jeffrey H. Perlman, Marvin C. Gershengorn, and Kevin D. Moeller. *Bioorg. Med. Chem. Lett.* **1998**, *8*, 3093-3096.
 49. "Anodic amide oxidations: developing a systematic approach for probing peptide-protein interactions." Kevin D. Moeller In *Clean Effic. Process.: Electrochem. Technol. Synth., Sep., Recycle, Environ. Improv., Int. Forum, Electrolysis Chem. Ind.* Vol. 12, Electrosynthesis, Lancaster; N. Y., 1998, 115-134. (invited).
 50. "The Synthesis of Bicyclic Piperazinone and Related Derivatives." Yvette M. Fobian and Kevin D. Moeller. *Methods in Mol. Med.* **1999**, *23* (Peptidomimetic Protocols), 259-279. (Invited)
 51. "Intramolecular Anodic Olefin Coupling Reactions and the Use of Allylsilane Coupling Partners with Allylic Alkoxy Groups." Dean A. Frey, S. Hari Krishna Reddy, Nicholas Wu, and Kevin D. Moeller. *J. Org. Chem.* **1999**, *64*, 2805-2813.
 52. "The Synthesis of Bicyclic Lactam Based His-Pro Building Blocks: The Effect of Substituent Polarity on an Intramolecular Bond Migration." Wenhua Chu and Kevin D. Moeller. *Tetrahedron Lett.* **1999**, *40*, 7939.
 53. "Conformationally Constrained Substance P Analogs: The Total Synthesis of a Constrained Peptidomimetic for the Phe⁷-Phe⁸ Region." Yunsong Tong, Yvette M. Fobian, Meiye Wu, Norman D. Boyd, and Kevin D. Moeller. *J. Org. Chem.* **2000**, *65*, 2484.

54. "Anodic Amide Oxidation/ Olefin Metathesis Strategies: Developing A Unified Approach to the Synthesis of Bicyclic Lactam Peptidomimetics." Laura M. Beal, Bin Liu, Wenhua Chu, and Kevin D. Moeller. *Tetrahedron (Symposium in Print)* **2000**, 56, 10113. (Invited)
55. "Reversing the Polarity of Enol Ethers: An Anodic Route to the Synthesis of Furan and Pyran Rings." Angela Sutterer and Kevin D. Moeller. *J. Am. Chem. Soc.* **2000**, 122, 5636.
56. "Constrained Peptidomimetics for TRH: Cis-Peptide Bond Analogs." Yunsong Tong, Jacek Olczak, Janusz Zabrocki, Marvin C. Gershengorn, Garland R. Marshall, and Kevin D. Moeller. *Tetrahedron (Symposium in Print)* **2000**, 56, 9791. (Invited)
57. "Synthetic Applications of Anodic Electrochemistry." Kevin D. Moeller. *Tetrahedron* **2000**, 56, 9527. (Invited)
58. "Building Constrained Peptidomimetics: An Approach to 5-Vinyl-3-Phenyl Substituted Proline Derivatives" Shengquan Duan and Kevin D. Moeller. *Tetrahedron (Symposium in Print)* **2001**, 57, 6407. (Invited)
59. "Anodic Oxidations of Electron-Rich Olefins: Radical Cation Based Approaches to the Synthesis of Bridged Bicyclic Ring Skeletons." S. Hari Krishna Reddy, Kazuhiro Chiba, Yongmao Sun, and Kevin D. Moeller. *Tetrahedron (Symposia-in Print)* **2001**, 57, 5183. (Invited)
60. "Anodic Cyclization Reactions: Reversing the Polarity of Ketene Dithioacetal Groups." Yongmao Sun, Bin Liu, Jeff Kao, D. Andre' d'Avignon, and Kevin D. Moeller. *Org. Lett.* **2001**, 3, 1729.
61. "Anodic Coupling Reactions: Probing the Stereochemistry of Tetrahydrofuran Formation. A Short, Convenient Synthesis of Linalool Oxide" Shengquan Duan and Kevin D. Moeller. *Org. Lett.* **2001**, 3, 2685.
62. "Anodic Oxidation Reactions: The Total Synthesis of (+)-Nemorensic Acid" Bin Liu and Kevin D. Moeller. *Tetrahedron Lett.* **2001**, 42, 7163.
63. "Anodic Electrochemistry: Studies Toward the Effective Use of Radical Cations in Synthesis." Kevin D. Moeller, Bin Liu, S. Hari Krishna Reddy, Haizhou Sun, Yongmao Sun Angela Sutterer, and Kazuhiro Chiba. *Proceedings - Electrochemical Society* **2001**, 65-68.
64. "Conformationally Restricted TRH Analogs: Constraining the Pyroglutamate Region." Jill C. Simpson, Chris Ho, E. F. Berkley Shands, Marvin C. Gershengorn, Garland R. Marshall, and Kevin D. Moeller. *Bioorganic and Medicinal Chemistry* **2002**, 10, 291.
65. "Silyl Substituted Amino Acids: New Routes to the Construction of Selectively Functionalized Peptidomimetics." Haizhou Sun and Kevin D. Moeller *Org. Lett.* **2002**, 4, 1547.
66. "Anodic Cyclization Reactions: Capitalizing on an Intramolecular Electron Transfer to Trigger the Synthesis of a Key Tetrahydropyran Building Block." Shengquan Duan and Kevin D. Moeller. *J. Am. Chem. Soc.* **2002**, 124, 9368-9369.
67. "Oxidative Cyclization Based on Reversing the Polarity of Enol Ethers and Ketene Dithioacetals. Construction of Tetrahydrofuran Rings and Application to the Synthesis of (+)-Nemorensic Acid." Bin Liu, Shengquan Duan, Angela C. Sutterer, and Kevin D. Moeller. *J. Am. Chem. Soc.* **2002**, 124, 10101.
68. "Anodic Oxidation Reactions, Involving Ketene Dithioacetals: Evidence for a "Radical-type" Cyclization." Yongmao Sun and Kevin D. Moeller *Tetrahedron Lett.* **2002**, 43, 7159.
69. "Organic Electrochemistry as a Tool for Synthesis: Umpolung Reactions, Reactive Intermediates, and the Design of New Synthetic Methods." R. Daniel Little and Kevin D. Moeller *The Electrochemical Society - Interface* **2002**, 11(4), 36.
70. "Anodic Cyclization Reactions: The Total Synthesis of Alliacol A." John Mihelcic and Kevin D. Moeller. *J. Am. Chem. Soc.* **2003**, 125, 36.
71. "Building Functionalized Peptidomimetics: New Electroauxiliaries and the Use of a Chemical Oxidant for Introducing N-Acyliminium Ions into Peptides." Haizhou Sun and Kevin D. Moeller. *Organic Letters* **2003**, 5, 3189.
72. "Constrained Peptidomimetics: Building Bicyclic Analogs of Pyrazoline Derivatives." Bin Liu, John D. Brandt, and Kevin D. Moeller. *Tetrahedron* **2003**, 59, 8515.
73. "The Electrochemistry of Nitrogen Containing Compounds." Kevin D. Moeller. *Encyclopedia of Electrochemistry Vol 8*, Schäfer, H. J., Ed. Wiley/Verlag Chemie; **2004**, 277-312.
74. "Building Addressable Libraries: The Use of Electrochemistry for Generating Reactive Pd(II) Reagents at Pre-Selected Sites on a Chip." Eden Tesfu, Karl Maurer, Steven R. Ragsdale, and Kevin D. Moeller. *J. Am. Chem. Soc.* **2004**, 126, 6212-6213.
75. "Oxidative Cyclizations: The Asymmetric Synthesis of (-)-Alliacol A." John Mihelcic and Kevin D. Moeller. *J. Am. Chem. Soc.* **2004**, 126, 9106-9111.
76. "Anodic Electrochemistry and the Use of Electroauxiliaries for Post-Synthetically Modifying Peptides." Haizhou Sun and Kevin D. Moeller. In *Analytical, Mechanistic, and Synthetic Organic Electrochemistry (The*

- Sixth International Manuel M. Baizer Symposium* (J. Lessard, P. Hapiot, and I. Taniguchi, Editors) *Proc. Electrochemical Society* **2004**, *10*, 125-132.
77. "Anodic Coupling Reactions: The Use of N,O-Ketene Acetal Coupling Partners." Yung-tzung Huang and Kevin D. Moeller. *Organic Letters* **2004**, *6*, 4199-4202.
 78. "Building Addressable Libraries: The Use of Electrochemistry for Spatially Isolating a Heck Reaction on a Chip." Jun Tian, Karl Maurer, Eden Tesfu, and Kevin D. Moeller. *J. Am. Chem. Soc.* **2005**, *127*, 1392-1393.
 79. "Oxidative Cyclization Reactions: Amide Trapping Groups and the Synthesis of Furanones." John D. Brandt and Kevin D. Moeller. *Org. Lett.* **2005**, *7*, 3553-3556.
 80. "Electrochemically Assisted Heck Reactions." Jun Tian and Kevin D. Moeller. *Org. Lett.* **2005**, *7*, 5381-5384.
 81. "Anodic Cyclization Reactions: Probing the Chemistry of Ketene Acetal Radical Cations." Yung-tzung Huang and Kevin D. Moeller. *Tetrahedron (Symposium in Print)* **2006**, *62*, 6536-6550.
 82. "Oxidative Cyclizations and the Synthesis of Lactones: A Streamlined Synthesis of *epi*-Crobarbatic Acid." John D. Brandt and Kevin D. Moeller. *Heterocycles* **2006**, *67*, 621-628.
 83. "Building Addressable Libraries: Site Selective Coumarin Synthesis and the "Real-Time" Signaling of Antibody-Coumarin Binding." Eden Tesfu, Kris Roth, Karl Maurer, and Kevin D. Moeller. *Org. Lett.* **2006**, *8*, 709-712.
 84. "Building Addressable Libraries: Spatially Isolated, Chip-Based Reductive Amination Reactions." Eden Tesfu, Karl Maurer, and Kevin D. Moeller. *J. Am. Chem. Soc.* **2006**, *128*, 70-71.
 85. "Vision. Organic Electrochemistry: Advancing the Science of Reactive Intermediates and Controlled Chemical Processes." Kevin D. Moeller. *Electrochemistry (Tokyo, Japan)* **2006**, *74*, 583.
 86. "Building Functionalized Peptidomimetics: The Use of Electroauxiliaries for Introducing N-Acyliminium Ions Into Peptides." Haizhou Sun, Conner Martin, David Kesselring, Rebecca Keller, and Kevin D. Moeller. *J. Am. Chem. Soc.* **2006**, *128*, 13761.
 87. "Building Addressable Libraries: The Use of a Mass Spectrometry Cleavable Linker for Monitoring Reactions on a Microelectrode Array." Ceng Chen, Gabriella Nagy, Amy V. Walker, Karl Maurer, Andy McShae, and Kevin D. Moeller. *J. Am. Chem. Soc.* **2006**, *128*, 16020.
 88. "Electrochemistry and Umpolung Reactions: New Tools for Solving Synthetic Challenges of Structure and Location." Feili Tang, Ceng Chen, and Kevin D. Moeller. *Synthesis (Feature Article)* **2007**, 3411.
 89. "Intramolecular Anodic Olefin Coupling Reactions: The Effect of Polarity on Carbon – Carbon Bond Formation." Feili Tang and Kevin D. Moeller. *J. Am. Chem. Soc.* **2007**, *129*, 12414.
 90. "Anodic Coupling Reactions: A Sequential Cyclization Route to the Arteannuin Ring Skeleton." Honghui Wu and Kevin D. Moeller. *Org. Lett.* **2007**, *9*, 4599.
 90. "Anodic Oxidation Reactions and the Synthesis of (-)-Crobarbatic Acid." Hai-Chao Xu, John D. Brandt, and Kevin D. Moeller. *Tetrahedron Lett.* **2008**, *49*, 3868.
 91. "The Use of a Detectable, Mass Spectrometry-Cleavable Linker for Quality Control on an Addressable Microelectrode-Array." Ceng Chen, Peng Lu, Amy Walker, Karl Maurer, and Kevin D. Moeller. *Electrochemistry Commun.* **2008**, *10*, 973.
 92. "Moving Known Libraries to an Addressable Array: A Site-Selective Michael Reaction." Melissa Stuart, Karl Maurer, and Kevin D. Moeller. *Bioconjugate Chem.* **2008**, *19*, 1514.
 93. "Building Addressable Libraries: Site-selective Formation of an N-Acyliminium Ion Intermediate." David Kesselring, Karl Maurer, and Kevin D. Moeller. *Org. Lett.* **2008**, *10*, 2501.
 94. "Building Addressable Libraries: A Site-Selective Allylic Alkylation Reaction" Jun Tian, Karl Maurer, and Kevin D. Moeller. *Tetrahedron Lett.* **2008**, *49*, 5664.
 95. "Microelectrode Arrays and Ceric Ammonium Nitrate: A Simple Strategy for Developing New Site-Selective Synthetic Methods." David Kesselring, Karl Maurer, and Kevin D. Moeller. *J. Am. Chem. Soc.* **2008**, *130*, 11290.
 96. "Intramolecular Anodic Olefin Coupling Reactions: The Use of a Nitrogen Trapping Group." Hai-Chao Xu and Kevin D. Moeller. *J. Am. Chem. Soc.* **2008**, *130*, 13542.
 97. "Intramolecular Anodic Olefin Coupling Reactions: Using Radical Cation Intermediates to Trigger New Umpolung Reactions." Kevin D. Moeller. *Synlett. (Invited Account)* **2009**, *8*, 1208.
 98. "New Approaches to the Synthesis of Addressable Microarray Molecular Libraries". Karl Maurer and Kevin D. Moeller in *Microarrays: Preparation, Microfluidics, Detection Methods, and Biological Applications*. Dill, K. Ed.; Springer **2009**, pg. 227.
 99. "Building Addressable Libraries: Site-Selective Suzuki Reactions on Microelectrode Arrays." Libo Hu, Karl Maurer, and Kevin D. Moeller. *Org. Lett.* **2009**, *11*, 1273.

100. "Building Addressable Libraries: Site-Selective Lewis-Acid (Sc(III)) Catalyzed Reactions." Bo Bi, Karl Maurer, and Kevin D. Moeller. *Angew. Chem. Int. Ed. Eng.* **2009**, *48*, 5872.
101. "Building Addressable Libraries: A Site-Selective Click-Reaction Strategy for Rapidly Assembling Mass Spec Cleavable Linkers.: Jennifer L. Bartles, Peng Lu, Amy Walker, Karl Maurer, and Kevin D. Moeller. *Chem. Commun.* **2009**, DOI: 10.1039/b910577h.
102. "Anodic Oxidations and Polarity: Exploring the Chemistry of Olefinic Radical Cations." Feili Tang and Kevin D. Moeller. *Tetrahedron (Symposium in Print)*, **2009**, accepted for publication.

Patents

1. Moeller, Kevin D.; Tesfu, Eden; Maurer, Karl. "Process for performing an isolated pd(II)-mediated oxidation reaction". U.S. Pat. Appl. Publ. (2006), Cont.-in-part of U.S. Ser. No. 63,402. CODEN: USXXCO US 2006205959 A1 20060914 AN 2006:952843.
2. Tesfu, Eden; Maurer, Karl; Moeller, Kevin D.. "Process for performing an isolated Pd(II)-mediated oxidation reaction". U.S. Pat. Appl. Publ. (2006), 8pp. CODEN: USXXCO US 2006189166 A1 20060824 CAN 145:257836 AN 2006:848318.
3. Tian, Jun; Maurer, Karl; Moeller, Kevin, D.; Tesfu, Eden. "Process for performing an isolated Pd(0) catalyzed reaction electrochemically on an electrode array device". PCT Int. Appl. (2006), 14 pp. CODEN: PIXXD2 WO 2006074335 A2 20060713 CAN 145:131836 AN 2006:673955.
4. Tian, Jun; Moeller, Kevin D.; Wood, Sarah; Maurer, Karl. "Process for transition metal-catalyzed electrochemical allylic alkylation on an electrode array device." U.S. Pat. Appl. Publ. (2008), 24pp., Cont.-in-part of U.S. Ser. No. 326,717. CODEN: USXXCO US 2008039342 A1 20080214.
5. Stuart, Melissae; Maurer, Karl; Moeller, Kevin D. "Microarray having a chemical library of compounds". U.S. Pat. Appl. Publ. (2009), US 2009124517 A1 20090514.

Participation at Professional Meetings: Presentations and Posters

1. "Asymmetric Induction in the Intramolecular Diyl Trapping Reaction." R. Daniel Little and Kevin D. Moeller. Presented at the Pacific Coast Conference of Chemistry and Spectroscopy, October 27-29, 1982.
2. "An Electrocyclic Variet of the Intramolecular 1,3-Diyl Trapping Reaction; Use of a Zero Carbon Tether." R. Daniel Little and Kevin D. Moeller. Presented at the 189th National Meeting of the American Chemical Society; Miami Beach, April 28 May 3, 1985.
3. "Factors Effecting Regioselectivity in the Intramolecular 1,3-Diyl Trapping Reaction. Intervention of Triplet Diyl Chemistry." Mohammad R. Masjedizadeh, Ingeborg Dannecker-Doerig, Kevin D. Moeller and R. Daniel Little. Presented at the 196th National Meeting of the American Chemical Society; Los Angeles, California, September 25-30, 1988.
4. "The Chemoselectivity of Anodic Amide Oxidations in the Presence of Electron Rich Phenyl Rings." Kevin D. Moeller, Mohammad R. Marzabadi, Sharif Tarazi, and Po W. Wang. Presented at the 197th National Meeting of the American Chemical SocieW: Dallas, Texas, April 9-14, 1989.
5. "Electrochemical Amide Oxidations: A Novel Approach to the Construction of a Rigid Pro-X Peptide Building Block." Kevin D. Moeller and Scott L. Rothfus. Presented at the 24th Midwest Meeting of the American Chemical Society: St. Louis, MO, Nov. 1-3, 1989; ORGN 153.
6. "Intramolecular Anodic Olefin Coupling Reactions: Fundamental Studies Concerning the Nature of the Initiating and Terminating Groups." Christine M. Hudson, Shari Keith, Kevin D. Moeller, and Luzviminda V. Tinao. Presented at the 24th Midwest Meeting of the American Chemical Society: St. Louis, MO, Nov. 1-3, 1989; ORGN 159.
7. "Oxidative Organic Electrochemistry: A New Method for Ring Construction by Anodic Carbon-Carbon Bond Formation." Kevin D. Moeller, Mohammad R. Marzabadi, and Dallas G. New. Presented at the 24th Midwest Meeting of the American Chemical Society: St. Louis, MO, Nov. 1-3, 1989; ORGN 160.
8. "Anodic Amide Oxidations in the Presence of Mono-, Di-, and Trialkoxy Phenyl Rings. Evidence for an Intramolecular Electron Transfer Mechanism." Kevin D. Moeller, Po W. Wang, Sharif Tarazi, and Mohammad R. Marzabadi. Presented at the 24th Midwest Meeting of the American Chemical Society: St. Louis, MO, Nov. 1-3, 1989; ORGN 266.
9. "Electrochemical Amide Oxidations: A Novel Approach to the Construction of a Rigid Pro-X Peptide Building Block." Kevin D. Moeller and Scott L. Rothfus. Presented at the 25th Midwest Regional Meeting of the American Chemical Society: Manhattan, Kansas, Nov. 7-9, 1990: ORGN 162.

10. "Rigid TRH Analogs: An Approach to a Key Rigid Pyroglutamate Building Block." Lawrence D. Rutledge and Kevin D. Moeller. Presented at the 25th Midwest Regional Meeting of the American Chemical Society: Manhattan, Kansas, Nov. 7-9, 1990: ORGN 163.
11. "Oxidative Organic Electrochemistry: A New Method for Ring Construction by Anodic Carbon-Carbon Bond Formation." Kevin D. Moeller, Dallas G. New, and Mohammad R. Marzabadi. Presented at the 25th Midwest Regional Meeting of the American Chemical Society: Manhattan, Kansas, Nov. 7-9, 1990: ORGN 171.
12. "The Use of Allylsilanes in Anodic Olefin Coupling Reactions." Christine M. Hudson, and Kevin D. Moeller. Presented at the 25th Midwest Regional Meeting of the American Chemical Society: Manhattan, Kansas, Nov. 7-9, 1990: ORGN 265.
13. "Anodic Amide Oxidations: An Approach to the Angiotensin Converting Enzyme Inhibitor A.58365A." Kevin D. Moeller and Poh Lee Wong. Presented at the 201st National Meeting of the American Chemical Society: Atlanta, Georgia, April 14-19, 1991; ORGN 012.
14. "Oxidative Organic Electrochemistry: Intramolecular Enol Ether Coupling Reactions." Kevin D. Moeller and Luzviminda V. Tinao. Presented at the 201st National Meeting of the American Chemical Society: Atlanta, Georgia, April 14-19, 1991; ORGN 040.
15. "Electrochemical Amide Oxidations: A Novel Approach to the Construction of a Rigid Pro-X Peptide Building Block." Kevin D. Moeller and Scott L. Rothfus. Presented at the 201st National Meeting of the American Chemical Society: Atlanta, Georgia, April 14-19, 1991; ORGN 205.
16. "The Use of Allyl Silanes in Anodic Olefin Coupling Reactions." Christine M. Hudson and Kevin D. Moeller. Presented at the 201st National Meeting of the American Chemical Society; Atlanta, Georgia, April 14-19, 1991; ORGN 264.
17. "Anodic Amide Oxidations: A Convenient Procedure for Annulating Rings Onto Amines." Kevin D. Moeller, Scott L. Rothfus, and Poh Lee Wong. Presented at the 32nd National Organic Chemistry Symposium; Minneapolis, Minnesota, June 16-20, 1991; paper # A-36.
18. "Anodic Amide Oxidations: A Convenient Procedure for Annulating Rings Onto Amines." Kevin D. Moeller, Scott L. Rothfus, and Poh Lee Wong. A poster presented at the Organic Reactions and Processes Gordon Conference, July 15 - 19, 1991.
19. "Fundamental Studies Concerning the Intramolecular Anodic Olefin Coupling Reaction." Kevin D. Moeller, Christine M. Hudson, and Luzvirninda V. Tinao. Presented at the 32nd National Organic Chemistry Symposium; Minneapolis, Minnesota, June 16-20, 1991, paper # B-73.
20. "Rigid TRH Analogs: Synthesis of a Key Rigid Pyroglutamide Building Block." Lawrence D. Rutledge and Kevin D. Moeller. Presented at the 26th Midwest Regional Meeting of the American Chemical Society: Omaha, Nebraska, November 6-8, 1991, ORGN #104.
21. "A Reductive Pathway to Rigid Pro-X Analogs." Kevin D. Moeller and Cathleen Hanau. Presented at the 203rd National Meeting of the American Chemical Society; San Francisco, California, April 5-10, 1992; ORGN 417.
22. "Anodic Amide Oxidations: The Synthesis of Conformationally Restricted L-Pyroglutamide Building Blocks." Lawrence D. Rutledge and Kevin D. Moeller. Presented at the 203rd National Meeting of the American Chemical Society; San Francisco, California, April 5-10, 1992; ORGN 418.
23. "Anodic Amide Oxidations: A Novel Route for Synthesizing ACE-Inhibitors A58365A and A58365B." Kevin D. Moeller and Poh Lee Wong. Presented at the 204th National Meeting of the American Chemical Society; Washington D.C., August 23-28, 1992; ORGN 170.
24. "Anodic Olefin Coupling Reactions: Control of Relative Stereochemistry at a Quaternary Center." Christine M. Hudson and Kevin D. Moeller. Presented at the 204th National Meeting of the American Chemical Society; Washington D.C., August 23-28, 1992; ORGN 237.
25. "Oxidative Organic Electrochemistry: A New Method for Ring Construction by Anodic Carbon-Carbon Bond Formation." Kevin D. Moeller and Dallas G. New. Presented at the 27th Midwest Regional Meeting of the American Chemical Society; Lawrence, Kansas, November 4-6, 1992; ORGN 581.
26. "Intramolecular Anodic Olefin Coupling Reactions and the Use of Vinylsilanes: Evidence for a Reversible Radical Type Cyclization." Kevin D. Moeller and Christine M. Hudson. Presented at the 206th National Meeting of the American Chemical Society; Chicago, IL. August 22-27, 1993; ORGN 137.
27. "Use of Electron-Rich Phenyl Rings in Organic Electrochemistry." Kevin D. Moeller and Dallas G. New. Presented at the 206th National Meeting of the American Chemical Society; Chicago, IL. August 22-27, 1993; ORGN 397.
28. "Intramolecular Anodic Olefin Coupling Reactions: The Use of Allyl- and Vinylsilanes in the Construction of Quaternary Carbons." Kevin D. Moeller, Christine M. Hudson, and Luzviminda V. Tinao-Wooldridge.

- Presented at the 206th National Meeting of the American Chemical Society; Chicago, IL. August 22-27, 1993; ORGN 370.
29. "Recent Advances in the Synthesis of Conformationally Constrained Dipeptide Building Blocks." Yvette M. Fobian and Kevin D. Moeller. Presented at the 206th National Meeting of the American Chemical Society; Chicago, IL. August 22-27, 1993; ORGN 297.
 30. "An Oxidative Pathway to Conformationally Restricted 5,7-Bicyclic Peptide Building Blocks." Cathleen E. Hanau, Yvette M. Fobian, and Kevin D. Moeller. Presented at the 206th National Meeting of the American Chemical Society; Chicago, IL. August 22-27, 1993; ORGN 298.
 31. "Anodic Amide Oxidations: The Synthesis of Conformationally Restricted Pyroglutamate Building Blocks." Lawrence D. Rutledge and Kevin D. Moeller. Presented at the 206th National Meeting of the American Chemical Society; Chicago, IL. August 22-27, 1993; MEDI 24.
 32. "Conformationally Restricted Peptide Mimetics: The Incorporation of 5,6-Bicyclic Lactam Ring Skeletons Into Peptides" Kevin D. Moeller and Wenhao Li. Presented at the 208th National Meeting of the American Chemical Society; Washington, D.C. August 21-25, 1994. ORGN 196.
 33. "Intramolecular Anodic Olefin Coupling Reactions: The Use of Furans." Kevin D. Moeller and Zerom Tesfai. Presented at the 208th National Meeting of the American Chemical Society; Washington, D.C. August 21-25, 1994. ORGN 451.
 34. "New Advances in the Intramolecular Trapping of Anodically Generated Radical Cations." Zerom Tesfai, Dallas G. New and Kevin D. Moeller. Presented at the IS-EOS-'94 International Symposium on Electroorganic Synthesis, Kurashiki, JAPAN, September 27-30, 1994.
 35. "Anodic Amide Oxidations: New Routes to Conformationally Restricted Peptide Mimetics." Fabrice Cornile, Yvette M. Fobian, Wenhao Li, Urszula Slomczynska, Denise D. Beusen, Garland R. Marshall, and Kevin D. Moeller. Presented at the IS-EOS-'94 International Symposium on Electroorganic Synthesis, Kurashiki, JAPAN, September 27-30, 1994.
 36. "Conformational Probes for Mapping the Thyrotropin Releasing Hormone Receptor (TRH-R)." Wenhao Li, Lawrence D. Rutledge, Jeffery H. Perlman, Marvin C. Gershengorn, and Kevin D. Moeller. Presented at the 210th National Meeting of the American Chemical Society; Chicago, IL. August 20-24, 1995. ORGN 056.
 37. "New Routes to Conformationally Restricted Peptide Building Blocks: A Convenient Preparation of Bicyclic Piperazinone Derivatives." Yvette M. Fobian, D. Andre d'Avignon, and Kevin D. Moeller. Presented at the 211th National Meeting of the American Chemical Society; New Orleans, LA. March 24-28, 1996. ORGN 174.
 38. "Intramolecular Anodic Olefin Coupling Reactions: The Role of an α -Alkoxy Substituent." Dean A. Frey, Jeffery A. Marx, Nicholas Wu, and Kevin D. Moeller. Presented at the 211th National Meeting of the American Chemical Society; New Orleans, LA. March 24-28, 1996. ORGN 326.
 39. "Bicyclic Lactam Based TRH Analogs and the Importance of Bridgehead Stereochemistry." Wenhao Li, Jeffery H. Perlman, Marvin C. Gershengorn, Laura Matson Beal, and Kevin D. Moeller. Poster presented at the Stereochemistry Gordon Conference. June 9-14, 1996.
 40. "Intramolecular Anodic Olefin Coupling Reactions: The Effect of Allylic Substitution on the Course of the Reaction." Dean A. Frey, Jeffrey Marx, Nicholas Wu, and Kevin D. Moeller. Poster presented at the Stereochemistry Gordon Conference. June 9-14, 1996.
 41. "Synthesis of Conformationally Restricted Substance P Building Blocks." Yunsong Tong, Yvette M. Fobian, and Kevin D. Moeller. Presented at the 214th National Meeting of the American Chemical Society; Las Vegas, NV. September 7-11, 1997. ORGN 348.
 42. "Conformationally Restricted TRH Analogs: Probing the Pyroglutamate Region." Kevin D. Moeller, Lawrence D. Rutledge, and Jill C. Simpson. Presented at the 214th National Meeting of the American Chemical Society; Las Vegas, NV. September 7-11, 1997. ORGN 344.
 43. "Total Synthesis of Fully Restrtrted TRH Analogs." Kevin D. Moeller and Wenhua Chu. Presented at the 214th National Meeting of the American Chemical Society; Las Vegas, NV. September 7-11, 1997. ORGN 345.
 44. "A Sequential Electrochemical Oxidation - Olefin Metathesis Strategy for the Construction of Bicyclic Lactam Based Peptidomimetics. Laura Matson Beal and Kevin D. Moeller. Presented at the 215th National Meeting of the American Chemical Society; Dallas, TX. March 29 - April 2, 1998. ORGN 156.
 45. "Anodic Oxidation: Construction of Bridged Bicyclic Ring Skeletons." Santhapuram Hari K. Reddy and Kevin D. Moeller. Presented at the 215th National Meeting of the American Chemical Society; Dallas, TX. March 29 - April 2, 1998. ORGN 355.

46. "Conformationally Restricted TRH Analogs: The Pyroglutamate Region." Jill C. Simpson and Kevin D. Moeller. Presented at the 216th National Meeting of the American Chemical Society; Boston, MA. August 27 - 27, 1998. ORGN 249.
47. "Conformationally Restricted TRH Analogs: Design, Synthesis and Biological Testing of Analogs with Increased Flexibility." Laura M. Beal and Kevin D. Moeller. Presented at the 217th National Meeting of the American Chemical Society; Anaheim, Calif. March 21-25, 1999. MEDI-069.
48. "Using Conformationally Restricted Analogs to Investigate the TRH/TRH-R Interaction: The Design and Synthesis of Analogs with a Restriction in the Pyroglutamate Region of the Hormone." Jill C. Simpson and Kevin D. Moeller. Presented at the 218th National Meeting of the American Chemical Society; New Orleans, LA, August 22-26, 1999. MEDI-138.
49. "Reversing the Polarity of Enol Ethers: An Anodic Route to the Formation of Heterocycles." Angela Sutterer and Kevin D. Moeller. Presented at the 220th National Meeting of the American Chemical Society: Washington, D.C., August 20-24, 2000.
50. "Probing the Effectiveness of a New Family of Peptidomimetics Using TRH-R1" Bin Liu and Kevin D. Moeller. Presented at the 35th Midwest Regional Meeting of the American Chemical Society; St. Louis, MO. October 25-27, 2000; ORGN 226.
51. "Synthesis of Constrained Peptidomimetics Using the Anodic Oxidation of Silylated Amino Acid Derivatives." Haizhou Sun and Kevin D. Moeller. Presented at the 35th Midwest Regional Meeting of the American Chemical Society; St. Louis, MO. October 25-27, 2000; ORGN 227.
52. "A Novel Approach to the Stereocontrolled Synthesis of Polysubstituted Proline Derivatives." Shengquan Duan and Kevin D. Moeller. Presented at the 35th Midwest Regional Meeting of the American Chemical Society; St. Louis, MO. October 25-27, 2000; ORGN 228.
53. "Intramolecular Anodic Olefin Coupling Reactions: The Use of Ketene Acetals as Initiators." Yongmao Sun and Kevin D. Moeller. Presented at the 35th Midwest Regional Meeting of the American Chemical Society; St. Louis, MO. October 25-27, 2000; ORGN 161.
54. "Synthesis of functional peptidomimetics using the anodic oxidation of silylated amino acid derivatives." Kevin D. Moeller and Haizhou Sun. Presented at the 222nd ACS National Meeting, Chicago, IL, United States, August 26-30, 2001; ORGN-353.
55. "Stereoselective synthesis of tetrahydrofuran and tetrahydropyran derivatives by anodic oxidation." Shengquan Duan and Kevin D. Moeller. Presented at the 222nd ACS National Meeting, Chicago, IL, United States, August 26-30, 2001; ORGN-351.
56. "Anodic cyclization reactions: Reversing the polarity of ketene dithioacetal groups." Yongmao Sun, Hari Krishna S. Reddy, and Kevin D. Moeller. Presented at the 222nd ACS National Meeting, Chicago, IL, United States, August 26-30, 2001; ORGN-322.
57. "Anodic cyclization reactions: An Approach to Alliocol A." John M. Mihelcic and Kevin D. Moeller. Presented at the 222nd ACS National Meeting, Chicago, IL, United States, August 26-30, 2001; ORGN-201.
58. "Anodic Cyclizations: Capitalizing on an Intramolecular Electron Transfer for the Synthesis of a Bryostatin Building Block." Shengquan Duan and Kevin D. Moeller. Presented at the 224th ACS National Meeting, Boston, MA, United States, August 18-22, 2002; ORGN-699.
59. "Silyl Substituted Amino Acid Derivatives: Developing Rapid Routes to Lactam-Based Peptide Mimetic Scaffolds." Haizhou Sun and Kevin D. Moeller. Presented at the 225th ACS National Meeting, New Orleans, LA, United States, March 23-27, 2003; ORGN 356.
60. "Total Synthesis of Alliocol A via Oxidative Cyclization Reactions." John M. Mihelcic and Kevin D. Moeller. Presented at the 225th ACS National Meeting, New Orleans, LA, United States, March 23-27, 2003; ORGN 414.
61. "Progress Toward the Total Synthesis of Dankesterone." Bradley A. Scates, Kevin D. Moeller, Presented at the 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, 2004; ORGN 763.
62. "Intramolecular Anodic Olefin Coupling Reactions: The Use of N,O-Ketene Acetals as the Initiating Olefin." Yung-tzung Huang, Kevin D. Moeller. Presented at the 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, 2004; ORGN 650.
63. "Small Molecule Microarrays: New Tools for Building Addressable Libraries on a Chip." Eden Tesfu and Kevin D. Moeller. Presented at the 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, 2004; ORGN 427.
64. "Building Addressable Libraries: the Use of Electrochemistry for Spatially Isolating Pd(0) Catalysts on a Chip" Jun Tian, Karl Maurer, and Kevin D. Moeller. Presented at the 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005; ORGN 429.

65. "Synthesizing (+)-Crobarbatic Acid: Preparing Furanones by Anodic Oxidative Cyclization." John D. Brandt and Kevin D. Moeller. Presented at the 230th ACS National Meeting, Washington, D.C. United States, Aug. 28-Sept. 1, 2005; ORGN 503.
66. "Building Addressable Libraries: Isolating Pd(II)-Catalyzed Alkoxy-Coumarin Synthesis on a Microelectrode Array Chip." Eden Tesfu, Karl Maurer, and Kevin D. Moeller. Presented at the 230th ACS National Meeting, Washington, D.C. United States, Aug. 28-Sept. 1, 2005; ORGN 319.
67. "Electrode-Assisted Room Temperature Heck Reactions." Jun Tian and Kevin D. Moeller. Presented at the 230th ACS National Meeting, Washington, D.C. United States, Aug. 28-Sept. 1, 2005; ORGN 136.
68. "Anodic Electrochemistry: Progress Toward the Total Synthesis of (-)-Arteannuin M." Honghui Wu and Kevin D. Moeller. Presented at the 40th Midwest Regional Meeting of the ACS, Joplin, MO, USA; October 26-29, 2005; LIN05-228.
69. "Electrochemically Assisted Heck Reactions." Jun Tian and Kevin D. Moeller. Presented at the 40th Midwest Regional Meeting of the ACS, Joplin, MO, USA; October 26-29, 2005; LIN05-226.
70. "Synthesizing (+)-Crobarbatic Acid: Preparing Furanones by Anodic Oxidative Cyclization." John D. Brandt and Kevin D. Moeller. Presented at the 40th Midwest Regional Meeting of the ACS, Joplin, MO, USA; October 26-29, 2005; LIN05-222.
71. "Formation of Furanones by Anodic Oxidative Cyclization: Efforts Towards the Synthesis of (+)-Crobarbatic Acid." John D. Brandt and Kevin D. Moeller. Presented at the 231st ACS National Meeting, Atlanta, GA, USA; March 26-30, 2006; ORGN-297.
72. "Progress Toward the Total Synthesis of (-)-Arteannuin M." Honghui Wu and Kevin D. Moeller. Presented at the 232nd ACS National Meeting, San Francisco, CA, USA; September 10-14, 2006; ORGN-715.
73. "Anodic Electrochemistry: Constructing the Arteannuin Ring Skeleton with Sequential Cyclizations." Honghui Wu and Kevin D. Moeller. Presented at the 211th Meeting of the Electrochemical Society, Chicago, IL, United States, May 6-10, 2007.
74. "Progress Towards Monitoring Binding Events in 'Real-Time' With an Electronically Addressable Microarray." Melissae Stuart, Kris Roth, and Kevin D. Moeller. Presented at the 20th Annual Organic Chemistry Day, Columbia, MO, United States, April 28, 2007. Abstract 39.
75. "Anodic Electrochemistry: Exploring the Reactivity of New Radical Cation Intermediates." Feili Tang and Kevin D. Moeller. Presented at the 211th Meeting of the Electrochemical Society, Chicago, IL, United States, May 6-10, 2007.
76. "Constructing the Arteannuin Ring Skeleton with Sequential Anodic Cyclization Reactions." Honghui Wu and Kevin D. Moeller. Presented at the 20th Annual Organic Chemistry Day, Columbia, MO, United States, 2007, abstract Number:#55.
77. "Oxidative Cyclization Reactions: Probing the Effect of Radical Cation Polarization on Carbon-Carbon Bond Formation." Feili Tang and Kevin D. Moeller. Presented at the 235th ACS National Meeting, New Orleans, LA, USA; March 16-21, 2008; ORGN-183.
78. "Progress Towards Monitoring Binding Events in 'Real-Time' with an Electrochemically Addressable Microarray." Kevin D. Moeller, Melissae Stuart, Karl Maurer, Kris Roth. Presented at the 21st Annual Organic Chemistry Day, Columbia, MO, Apr. 5, 2008; 4.
79. "Intramolecular Anodic Olefin Coupling Reactions: The Use of a Nitrogen Trapping Group.: Hai-Chao Xu and Kevin D. Moeller. Presented at the 237th ACS National Meeting, Salt Lake City, UT, USA; March 22-26, 2009; ORGN-275.
80. "Lewis Acid (ScIII) Catalyzed Reactions on Microelectrode Arrays." Bo Bi and Kevin D. Moeller. Presented at the 22nd Annual Organic Chemistry Day, Columbia, MO, Apr. 2009.
81. "Intramolecular Anodic Olefin Coupling Reactions: The Use of a Nitrogen Trapping Group.: Hai-Chao Xu and Kevin D. Moeller. Presented at the 22nd Annual Organic Chemistry Day, Columbia, MO, Apr. 2009.
82. "A New Porous Reaction Layer for Developing Addressable Molecular Libraries." Libo Hu, Karl Maurer, and Kevin D. Moeller. Presented at the 22nd Annual Organic Chemistry Day, Columbia, MO, Apr. 2009.
83. "Site-selective attachment of an amine-containing peptide to a microelectrode array." Melissae Stuart, Karl Maurer, and Kevin D. Moeller. Presented at the 238th National Meeting of the American Chemical Society: Washington, DC, Aug. 16-20, 2009; ORGN 249.

Invited Lectures

1. April 1988 - Southeast Missouri State University.
2. March 3, 1989 - Saint Louis University.

3. March 13, 1989 - University of Missouri at St. Louis.
4. June 21, 1989 - Monsanto Central Research.
5. May 6-11th, 1990 - M.M. Baizer Memorial Symposium on Synthetic Organic Electrochemistry with Emphasis on Biomass Materials. Held in conjunction with the 177th Meeting of The Electrochemical Society, Montreal, Canada.
6. December 5, 1990 - Southern Illinois University at Edwardsville.
7. April 27, 1991 - Missouri Organic Chemistry Day.
8. May 17, 1991 - University of California, Santa Barbara.
9. May 20, 1991 - University of California, Los Angeles.
10. May 21, 1991 - University of California, Davis.
11. May 23, 1991 - San Diego State University.
12. May 24, 1991 - University of California, Riverside.
13. October 1, 1991 - Berlex Laboratories.
14. October 7, 1991 - University of Pennsylvania.
15. May 27, 1992 - University of Utah.
16. May 28, 1992 - Utah State University.
17. July 20-26, 1992 - Natural Products Gordon Conference. "Anodic Electrochemistry: A Useful Tool for Organic Synthesis?"
18. Sept. 9, 1992 - University of Illinois at Urbana-Champaign.
19. Oct. 8, 1992 - University of Kansas.
20. Oct. 9, 1992 - University of Nebraska.
21. Oct. 15, 1992 - Marion Merrell Dow.
22. Dec. 18, 1992 - Parke Davis.
23. Feb. 4, 1993 - University of Wisconsin-Madison.
24. Feb. 16, 1993 - Northeast Missouri State University.
25. March 8-14, 1993 - Keystone Symposium on Prospects and Progress in Drug Design Based on Peptides and Proteins.
26. May 16-21, 1993 - Division of Organic and Biological Electrochemistry Symposium on The Role of Electrochemistry in Organic Synthesis and Organometallic Chemistry. Held in conjunction with the 183rd Meeting of The Electrochemical Society, Inc., Honolulu, Hawaii.
27. October 18, 1993 - Bristol Meyers Squibb.
28. November 2, 1993 - SmithKline Beecham.
29. Feb. 10, 1994 - SIU - Carbondale. "Anodic Amide Oxidations"
30. Feb. 11, 1994 - SIU - Carbondale. "Intramolecular Anodic Olefin Coupling Reactions"
31. May 22-27, 1994 - Division of Organic and Biological Electrochemistry Symposium in Honor of Professor T. Shono. Held in conjunction with the 185th Meeting of The Electrochemical Society, Inc., San Francisco, Calif.
32. July 17-22, 1994 - Organic Reactions and Processes Gordon Conference.
33. Sept. 25, 1994 - Pre-symposium of the International Symposium on Electroorganic Synthesis, Okayama, JAPAN.
34. Oct. 1, 1994 - Post-symposium of the International Symposium on Electroorganic Synthesis, Osaka, JAPAN.
35. Oct. 27, 1994 - Texas A&M University.
36. Oct. 28, 1994 - University of Texas - Austin.
37. Nov. 10, 1994 - Ciba-Geigy Pharmaceuticals Division.
38. February 8, 1996 - Procter and Gamble Pharmaceuticals - Norwich New York.
39. February 28, 1996 - North Dakota State University.
40. March 1, 1996 - The University of North Dakota.
41. April 12, 1996 - Western Kentucky University
42. April 23, 1996 - Kyoto Institute of Technology
44. April 24, 1996 - Kyoto University
43. May 5, 1996 - Division of Organic and Biological Electrochemistry Symposium in Honor of Professor Henning Lund. Held in conjunction with the 189th Meeting of The Electrochemical Society, Inc., Los Angeles, Calif.
44. June 7, 1996 - Stereochemistry Gordon Conference. Short talk titled "Bicyclic Lactam Based TRH Analogs and the Importance of Bridgehead Stereochemistry."
45. October 17, 1996 - University of Connecticut.

46. October 18, 1996 - Wesleyan University
47. November 15, 1996 - Austin Peay State University
48. March 7, 1997 - University of Iowa
49. May 7, 1997 - Division of Organic and Biological Electrochemistry on the "Fundamentals and Potential Applications of Electrochemical Synthesis. Held in conjunction with the 191st Meeting of the Electrochemical Society, Inc., Montreal, Canada.
50. September 27, 1997 - IS-EOS-'97 The Third International Symposium on Electroorganic Synthesis, Kurashiki, JAPAN, September 23-27, 1997.
51. October 10, 1997 - Sigma Chemical Company.
52. November 14, 1997 - Symposium on Peptides and Peptide Mimetics - Held in connection with the Fifth Chemical Congress of North America, Cancun, Mexico, November 11-15, 1997.
53. CombiMatrix Corporation. February 3, 1998.
54. February, 1998 - University of Memphis
55. April 17, 1998 - Plenary Lecturer: European Science Foundation Conference on "Organic Electrochemistry: Moving Towards Clean and Selective Synthesis".
56. April 20, 1998 - University of Bonn
57. October 12, 1998 - Special Guest Lecturer: 12th International Forum on Electrolysis in the Chemical Industry.
58. October 30, 1998 - The University of Chicago
59. March 2, 1999 - University of Houston
60. March 3, 1999 - University of Texas - Medical Branch - Galveston, TX
61. March 5, 1999 - University of Texas - Health Science Center - San Antonio, TX
62. October 18 and 19th, 1999 - Two talks given in connection with a symposium entitled "New Concepts and Methodologies for Organic Electrochemistry." Division of Organic and Biological Electrochemistry on the "Fundamentals and Potential Applications of Electrochemical Synthesis. Held in conjunction with the Fall Meeting of the Electrochemical Society, Honolulu, Hawaii.
63. February 23, 2000 - Austin Peay State University
64. March 8, 2000 - Peking University
65. March 8, 2000 - Tsinghua University
66. March 22, 2000 - Monsanto/ Searle
67. September 17, 2000 - Tulane University
68. March 26, 2001. Division of Organic and Biological Electrochemistry Symposium in Memory of Professor Eberhard Steckhan - Held in conjunction with the 199th Meeting of the Electrochemical Society, Washington D. C.
69. Plenary Lecture at the 22nd Sandbjerg Meeting on Organic Electrochemistry - Sondenborg Denmark, June 15 - 18, 2001.
70. Plenary Lecture at the International Symposium on Integrated Synthesis (ISIS 2001) - Kyoto Japan, June 19 - 20, 2001.
71. Short talk at the Gordon Research Conference on Heterocycles - July 9, 2001.
72. Plenary Lecture at the 4th Peptido- and Proteinomimetics Symposium - Spa Belgium, Sept. 9-14, 2001.
73. November 8, 2001 - Trinity University.
74. February 28, 2002 - Shanghai Institute of Organic Chemistry
75. March 6, 2002 - Chinese Academy of Sciences - Beijing
76. April 11, 2002 - Bristol Meyers Squibb, New Brunswick N.J.
77. Plenary Lecture at the Workshop on Radical Ion Reactivity - Heignbrucken Germany, June 16 - 21, 2002.
78. Sept. 16, 2002 - Keynote Lecture at the Symposium on Organic Electrochemistry: Chemical Conversion by Electron Transfer - From Organometallics via Organic and Bioorganic Compounds to Redox Active Polymer Materials. Held in connection with the 53rd Meeting of the International Society of Electrochemistry - Dusseldorf Germany, Sept. 16 - 20, 2002.
79. November 8, 2002 - University of Illinois - Chicago
80. May 12, 2003 - University of Pennsylvania
81. July 16, 2003 - Invited Speaker, Gordon Conference on Free Radical Reactions.
82. September 10, 2003 - Invited Lecturer for a symposium entitled "Synthetic Organic Electrochemistry". Held in connection with the 226th National Meeting of the American Chemical Society - New York, NY; September 7-11, 2003.
83. March 26, 2004 - Science education talk for the Webster Groves Rotary Club.

84. April 4, 2004 – Carthage College.
85. April 27, 2004 – CombiMatrix Corporation.
86. May 12, 2004 – Invited Lecturer for the Sixth International Manuel M. Baizer Award Symposium on Organic Electrochemistry – Held in conjunction with the 205th Meeting of the Electrochemical Society, San Antonio, TX.
87. May 15, 2004 – Invited Speaker for the Second Annual Ohio Valley Organic Chemistry Symposium, Wright State University, Dayton, Ohio.
88. October 5, 2004 – Invited Lecturer for a symposium entitled “New Developments in Synthetic and Mechanistic Organic Electrochemistry” – Held in conjunction with the 206th Meeting of the Electrochemical Society, Honolulu, Hawaii.
89. October 17, 2004 – Invited Lecturer for a symposium entitled “New Methods in Organic Synthesis” – Held in conjunction with the 36th Great Lakes Regional ACS Meeting, Peoria, Illinois.
90. November 8, 2004 – Hendrix College.
91. March 1, 2005 – University of California – Berkeley
92. March 11, 2005 – CombiMatrix Corporation
93. May 16, 2005 – Invited Lecturer for a symposium entitled “Prospective Trends in Synthetic and Mechanistic Organic Electrochemistry” – Held in conjunction with the 207th Meeting of the Electrochemical Society, Quebec City, Canada.
94. September 26, 2005 – Invited Lecturer for a symposium entitled “Molecular Electrochemistry” – held in conjunction with the 56th Annual Meeting of the International Society of Electrochemistry, Busan, Korea.
95. November 17, 2005 – Creighton University
96. November 18, 2005 – University of Nebraska – Omaha
97. January 21, 2006 – Indiana State University
98. February 15, 2006 – CombiMatrix Corporation
99. April 26, 2006 – Keynote Lecture for The 8th International Symposium on Organic Reactions, Kobe, Japan.
100. April 28, 2006 – School of Engineering – Kyoto University
101. May 8, 2006 – Invited Lecturer for a symposium entitled “Mechanistic Organic Electrochemistry Symposium in Honor of the 80th Birthday of Professor Petr Zuman” – Held in conjunction with the 209th Meeting of the Electrochemical Society, Denver, CO, USA.
102. June 19, 2006 – Okayama University Department of Applied Chemistry.
103. June 22, 2006 – Keynote Lecturer for the 30th Symposium on Organic Electron Transfer Chemistry – Tokyo Institute of Technology.
104. August 10, 2006 – Invited Lecturer – 12th Symposium on the Latest Trends in Organic Synthesis.
105. September 7, 2006 – University of Pittsburgh
106. September 15, 2006 – Southern Illinois University at Carbondale
107. October 5, 2006 – University of Arizona
108. October 21, 2006 – Invited Lecture for a symposium entitled “BioChip 2006” – Held in conjunction with the Southwest Regional ACS Meeting, Houston, TX, USA.
109. February 1, 2007 – Givaudan Flavors, Cincinnati, OH.
110. April 6, 2007 – Illinois Wesleyan University
111. May 7, 2007 – Invited Lecturer for a symposium entitled “Adding Complexity to Electrodes and Electrode Materials” – Held in conjunction with the 211th Meeting of the Electrochemical Society, Chicago, IL, USA.
112. September 10, 2007 – Invited Lecturer for a symposium entitled “Electrochemical Materials Science and Molecular Electrochemistry” – Held in conjunction with the 5^{8th} Annual Meeting of the International Society of Electrochemistry, Banff, Canada.
113. October 17, 2007 – Texas State University
114. October 26, 2007 – Invited Speaker for a Symposium Honoring Professor R. Daniel Little. University of California – Santa Barbara
115. March 17, 2008 – CombiMatrix Corporation
116. March 27, 2008 – University of Connecticut
117. March 28, 2008 – Wesleyan – Connecticut
118. April 1, 2008 – UT Southwest Texas Medical Center – Dallas
119. April 10, 2008 – Bristol Meyers Squibb, New Brunswick, N.J.
120. July 21, 2008 – Invited Speaker, Natural Products Gordon Conference

121. October 12, 2008 – Invited Lecture on Microelectrode Arrays for a symposium entitled “New Frontiers of Synthetic and Mechanistic Organic Electrochemistry” held in conjunction with the 214th Meeting of the Electrochemical Society (PRIME – joint with the Electrochemical Society of Japan), Honolulu, Hawaii.
122. October 13, 2008 - Invited Lecturer on radical cation intermediates in synthesis for a symposium entitled “New Frontiers of Synthetic and Mechanistic Organic Electrochemistry” held in conjunction with the 214th Meeting of the Electrochemical Society (PRIME – joint with the Electrochemical Society of Japan), Honolulu, Hawaii.
123. November 7, 2008 – Pittsburgh State University.
124. February 27, 2009 – University of Louisville
125. June 4, 2009 – University of Muenster, Germany
126. June 5, 2009 – DECHEMA, Frankfurt, Germany
127. June 7, 2009 – Keynote Address, ECHEMS 5 Meeting in Weingarten, Germany

Current Support

Title: “New Synthetic Methods for Building Chip-Based Libraries” (25% effort)

Agency: NSF (CHE-0909723)

Role: P.I.

Period: 7/01/09 to 06/30/12

Budget: \$455,000 (total)

Summary: This project involves a fundamental exploration of the synthetic methods that can be conducted site-selectively on a microelectrode array. The goal is to expand the scope of reactions available for synthesizing molecular libraries on the microelectrode arrays.

Title: “Intramolecular Anodic Olefin Coupling Reactions” (25 % effort)

Agency: NSF (CHE-0809142)

Period: 7/1/08 to 6/30/11

Budget: \$ 399,000 (total)

Summary: The work funded with this grant seeks to explore and capitalize on the unique chemistry of enol ether, ketene acetal, and aryl based radical cations. Both new synthetic methodology and total synthesis studies are being pursued.

Student Collaborators: 5 postdoctoral, 36 Ph.D., and 5 Masters, and 22 undergraduate students.

Postdoctoral Students: (years in the group/ current position)

Dr. Mohammad Marzabadi (1988-1990/ Research Scientist - Synaptic Pharmaceutical Corp.)

Dr. Rszyard Pacut (1990-1992/ Research Fellow - Agricultural Univ., Wroclaw)

Dr. S. H. K. S. Reddy (1996 to 1999/ Research Fellow - University of Kansas)

Dr. Wenhua Chu (1996 to 2000/ Washington University Medical School)

Dr. Jun Tian (2005-2007/ Pharmcore)

Graduate Students: (year of graduation/ current position where applicable)

Dr. Poh Lee Wong (1993/ MBA program at Washington University after initially taking a faculty position at the University of Singapore)

Dr. Christine Hudson (1993/ Them-O-Disc)

Dr. Luzviminda V. Tinao-Wooldridge (1993/ Warner-Jenkins)

Dr. Dallas G. New (1994/ Faculty – University of Central Oklahoma)

Dr. Cathleen Hanau (1995/ Pfizer)

Dr. Yvette Fobian (1996/ Pfizer)

Dr. Zerom Tesfai (1996/ Exelixis Pharmaceuticals)

Dr. Dean Frey (1997/ Albany Molecular)

Dr. Yunsong Tong (1998/ Abbott Labs)

Dr. Robert Long (1998/ Asst. Professor Eastern New Mexico State University)

Dr. Jill C. Simpson (1999/ Bayer)

Dr. Angela Sutterer (2000/ Fleming Pharmaceuticals)

Dr. Laura Matson-Beal (2001/ Faculty – Rogers State University)

Dr. Bin Liu (2002/ Locus Pharmaceuticals)

Dr. Wenhao Li (2002/ Millenium Pharmaceuticals Inc.)

Dr. Shengquan Duan (2003/ Wyeth Pharmaceuticals)

Dr. Yungmao Sun (2003/ Univ. of Illinois - Chicago)

Dr. John Mihelcic (2003/ High School Teacher)

Dr. Haizhou Sun (2003/ Joyant Pharmaceuticals)

Dr. Yung-Tsung Huang (2004/ National University of Kaohsiung)
 Dr. Bradley Scates (2005/ Orbiter Research)
 Dr. Eden Tesfu (2006/ Cyanta)
 Dr. Jonathan Brandt (2007/ Covidian)
 Dr. David Kesselring (2008/ Cyanta)
 Dr. Ceng Chen (2008/ postdoc Harvard)
 Dr. Honghui Wu (2008/ Albany Molecular)
 Dr. Feili Tang (2009/ Postdoc Princeton)

Ms. Laura Anderson (expected Ph.D./ 2010)
 Ms. Melissa Stuart (expected Ph.D./ 2010)
 Mr. Guoxi Xu (expected Ph.D./ 2011)
 Mr. Hai-chou Xu (expected Ph.D./ 2011)
 Ms. Jennifer Bartels (expected Ph.D./ 2011)
 Ms. Alison Redden (expected Ph.D./ 2012)
 Mr. Libo Hu (expected Ph.D./ 2012)
 Mr. Bo Bi (expected Ph.D./ 2012)

Masters Degree Students:

Mr. Lawrence D. Rutledge (Research scientist – Owns his own company)
 Ms. Shari Keith (1989/ Pfizer)
 Mr. Scott L. Rothfus (1992/ Adhesive Compounds, Inc.)

Mr. Jeffrey Marx (1995/ Teacher - DeSmet High School, St. Louis)
 Ms. Sarah Wood (2007/ Research scientist – Pfizer)

Undergraduate Research Students: (years in the group, degree, 1st-position after graduation if known)

Barry L. Parnas (1987-1988, B.A. 1988, Scientist at Monsanto)
 Sharif Tarazi (1988-1989, B.A. 1989, Univ. of Missouri Medical School)
 Po Wei Wang (1988-1989 - B.A. 1990, Medical School)
 David Ripin (1990-1992, B.A. 1992, Ph.D. Program - Harvard)
 Theresa Hughes (1992-1993, B.A. 1993)
 Nicholas Wu (1994-1997, B.A. 1997, Medical School)
 Hillary Highfield (1995-1997, B.A. 1997, New York City - dancer)
 A. Nicole Splinter (1996-1998, B.A. 1998, Medical School UCSF)
 Elizabeth Fry (1998 – 2000, B. A. 2000)
 Lei Lei (2002-2003, B.A. 2004, Medical School)
 Joel Silverstone (2002-2004, B.A. 2004, Research Chemist - Industry)
 Michelle Monnens (2002-2004, B.A. 2004, Ph.D. program University of Wisconsin)

Robert T. Geist (1988-1989 - B.A. 1991, Research Asst. Washington Univ. Medical School)
 John Leitzel (1989-1990, B.A. 1991, Ph.D. Program – University of Chicago)
 Melissa L. Reilly (1990-1991, B.A. 1991, Ph.D. Program – Indiana Univ.)
 Connor Martin (2004- 2005, B. A. 2005, Ph.D. program UC Irvine)
 Rebecca Keller (2004-2005, B. A. 2005, Ph.D. program Colorado State Univ.)
 Keith Ferguson (2005-2006, Class of 2008, Medical School SIU-C)
 Katie Hudson (summer 2006 – B.A. 2007 Ohio State University)
 Vivek Kilkarni (2007-2008 - Class of 2009)
 Megan Fieser (2008 – present/ Class of 2010)