MATTHEW J. ELROD

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Department of Chemistry and Biochemistry | Oberlin College
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EDUCATION

Ph.D., Physical Chemistry, **University of California, Berkeley** 1994
B.A. with Honors, Chemistry, **Grinnell College** 1989

APPOINTMENTS

Department of Chemistry and Biochemistry, Oberlin College

- *Professor* 2011-present
- *Robert and Eleanor Biggs Professor of Natural Science* 2014-19
- *Chair* 2007-10
- *Associate Professor* 2004-11
- *Assistant Professor* 2001-04

Cooperative Institute for Research in the Environmental Sciences, University of Colorado, Boulder

- *Research Associate* 2004-05

Department of Chemistry, Hope College

- *Assistant Professor* 1996-2001

Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology

- *Postdoctoral Scholar* 1994-96

PROFESSIONAL AFFILIATIONS

- American Chemical Society
- American Geophysical Union

HONORS AND AWARDS

- Excellence in Review, *Environmental Science and Technology* 2019
- Excellence in Teaching Award, Oberlin College 2016-17
- Henry Dreyfus Teacher-Scholar Award, Camille and Henry Dreyfus Foundation 2004-09
- CAREER Award, National Science Foundation 1999-2004
- Regents Fellowship, University of California, Berkeley 1992-93
- U.S. Department of Education Graduate Fellowship 1989-92
- Chemistry Alumni Prize for Highest Scholarship, Grinnell College 1989

RECENT EXTERNAL GRANT SUPPORT

National Science Foundation

- RUI Grant, *Assessing the mechanisms for organosulfate formation in secondary organic aerosol,* $394,671. 2019-23
- RUI Grant, *Epoxides from biogenic volatile organic compounds: gas phase formation and aerosol phase reactions,* $177,987. 2016-19
- MRI Grant (co-PIs: Manish Mehta, Michael Moore, Aaron Goldman, and Robert Owen), *Acquisition of a high performance computing cluster to enhance undergraduate research and education across the sciences at Oberlin College,* $486,256. 2014-18
- RUI Grant, *Gas and aerosol phase chemistry of multi-generation isoprene oxidation products,* $355,090. 2012-17

PEER REVIEWED PUBLICATIONS (underlined indicates undergraduate author)

- Elrod M. J.; Sedlak, J. A.; Ren, H. Accurate computational model for the hydration extent of atmospherically relevant carbonyls on aqueous atmospheric particles, *ACS Earth and Space Chemistry* **2021**, *5*, 348-355.
- Ren H.; Sedlak, J. A..;Elrod, M. J. General mechanism for sulfate radical addition to olefinic volatile organic compounds in secondary organic aerosol, *Environmental Science and Technology* **2021**, *55*, 1456-1465.
- Aoki E.; Sarrimanolis, J. N.; Lyon, S. A. Elrod, M. J. Determining the relative reactivity of sulfate, bisulfate and organosulfates with epoxides on secondary organic aerosol, *ACS Earth and Space Chemistry,* **2020**, *4*, 1793-1801.
- Stropoli S. J.; Miner, C. R.; Hill, D. R. Elrod, M. J. Assessing the potential oligomerization reaction mechanisms of isoprene epoxydiols on secondary organic aerosol, *Environmental Science and Technology* **2019**, *53*, 176-184.
- Watanabe A. C..; Stropoli S. J.; Elrod, M. J. Assessing the potential mechanisms of isomerization reactions of isoprene epoxydiols on secondary organic aerosol, *Environmental Science and Technology* **2018**, *52*, 8346-8354.
- Jiang, K.; Hill, D. R; Elrod, M. J. Assessing the potential for oligomer formation from the reactions of lactones in secondary organic aerosols, *Journal of Physical Chemistry A* **2018**, *122*, 292-302.
- Cortés, D. A.; Elrod, M. J. Kinetics of the aqueous phase reactions of atmospherically relevant monoterpene epoxides. *Journal of Physical Chemistry A* **2017**, *121*, 9297-9305.
- Thomas, W. C.; Dresser W. D.; Cortés, D. A.; Elrod, M. J. Gas phase oxidation of campholenic aldehyde and solution phase reactivity of its epoxide derivative.*Journal of Physical Chemistry A* **2017**, *121*, 168-180.
- Stropoli, S. J.; Elrod, M. J. Assessing the potential for the reactions of epoxides with amines on secondary organic aerosol particles. *Journal of Physical Chemistry A* **2015**, *119*, 10181-10189.
- Mael, L.E.; Jacobs, M. I.; Elrod, M. J. Organosulfate and nitrate formation and reactivity from epoxides derived from 2-methyl-3-buten-2-ol. *Journal of Physical Chemistry A* **2015**, *119*, 4464-4472.
- Birdsall, A.W.; Miner, C.R.; Mael, L.E.; Elrod, M. J. Mechanistic study of secondary organic aerosol components formed from nucleophilic addition reactions of methacrylic acid epoxide, *Atmospheric Chemistry and Physics* **2014**, *14*, 12951-12964.
- Jacobs, M. I.; Burke, W. J.; Elrod, M. J. Kinetics of the reactions of isoprene-derived hydroxynitrates: gas phase epoxide formation and solution phase hydrolysis. *Atmospheric Chemistry and Physics* **2014**, *14*, 8933-8946.
- Jacobs, M. I.; Darer, A. I.; Elrod, M. J. Rate constants and products of the OH reaction with isoprene-derived epoxides. *Environmental Science and Technology* **2013**, *47*, 12686-12876.
- Bleier, D. B.; Elrod, M. J. Kinetics and thermodynamics of atmospherically relevant aqueous phase reactions of α-pinene oxide. *The Journal of Physical Chemistry A* **2013**, *117*, 4223-4232.
- Birdsall, A. W.; Zentner, C. A.; Elrod, M. J. Study of the kinetics and equilibria of the oligomerization reactions of 2-methylglyceric acid. *Atmospheric Chemistry and Physics* **2013**, *13*, 3097-3109.
- Elrod, M. J. Kinetics Study of the aromatic bicyclic peroxy radical + NO reaction: overall rate constant and nitrate product yield measurements. *The Journal of Physical Chemistry A* **2011**, *115*, 8125-8130.
- Hu, K. S.; Darer, A. I.; Elrod, M. J. Thermodynamics and kinetics of the hydrolysis of atmospherically relevant organonitrates and organosulfates. *Atmospheric Chemistry and Physics* **2011**, *11*, 8307-8320.
- Darer, A. I.; Cole-Filipiak, N. C.; O'Connor, A. E.; Elrod, M. J. Formation and stability of atmospherically relevant isoprene-derived organosulfates and organonitrates. *Environmental Science and Technology* **2011**, *45*, 1895-1902.
- Birdsall, A. W.; Elrod, M. J. Comprehensive NO-dependent study of the products of the oxidation of atmospherically relevant aromatic compounds. *Journal of Physical Chemistry A* **2011**, *115*, 5397-5407.
- Cole-Filipiak, N. C.; O'Connor, A. E.; Elrod, M. J. Kinetics of the hydrolysis of atmospherically relevant isoprene-derived hydroxy epoxides. *Environmental Science and Technology* **2010**, *44*, 6718-6723.
- Birdsall, A. W.; Andreoni, J. F.; Elrod, M. J. Investigation of the role of bicyclic peroxy radicals in the oxidation mechanism of toluene. *Journal of Physical Chemistry A* **2010**, *114*, 10655-10663.
- Minerath, E. C.; Elrod, M. J. Assessing the potential for diol and hydroxy sulfate ester formation from the reaction of epoxides in tropospheric aerosols. *Environmental Science and Technology* **2009**, *43*, 1386-1392.
- Minerath, E. C.; Elrod, M. J. Assessing the potential for diol and hydroxy sulfate ester formation from the reaction of epoxides in tropospheric aerosols. *Environmental Science and Technology* **2009**, *43*, 1386-1392.
- Baltaretu, C. O.; Lichtman, E. I.; Hadler, A. B.; Elrod, M. J. Primary atmospheric oxidation mechanism for toluene. *Journal of Physical Chemistry A* **2009**, *113*, 221-230.
- Minerath, E.C.; Casale, M.T.; Elrod, M.J. Kinetics feasibility study of alcohol sulfate esterification reactions in tropospheric aerosols. *Environmental Science and Technology* **2008**, *42*, 4410-4415.
- Patchen, A. K.; Pennino, M. J.; Kiep, A. C.; Elrod, Matthew J. Direct kinetics study of the product-forming channels of the reaction of isoprene-derived hydroxyperoxy radicals with NO. *International Journal of Chemical Kinetics* **2007**, *39*, 353-361.

- Hsin, H.Y. ; Elrod, M.J. Overall rate constant measurements of the reaction of hydroxy- and chloroalkylperoxy radicals derived from methacrolein and methyl vinyl ketone with nitric oxide. *Journal of Physical Chemistry A* **2007**, *111*, 613-619.
- Casale, M.; Richman, A.; Elrod, M.; Garland, R.; Beaver, M.; Tolbert, M. Kinetics of acid-catalyzed aldol condensation reactions of aliphatic aldehydes. *Atmospheric Environment* **2007**, *41*, 6212-6224.
- Garland, R.; Elrod, M.; Kincaid, K.; Beaver, M.; Jimenez, J.; Tolbert, M. Acid-catalyzed reactions of hexanal on sulfuric acid particles: Identification of reaction products. *Atmospheric Environment* **2006**, *40*, 6863-6878.
- Beaver, M.R.; Elrod, M.J.; Garland, R.M.; Tolbert, M.A. Ice nucleation in sulfuric acid/organic aerosols: implications for cirrus cloud formation. *Atmospheric Chemistry and Physics* **2006**, *6*, 3231-3242.
- Yeung, L.Y. ; Pennino, M.J. ; Miller, A.M. ; Elrod, M.J. Kinetics and mechanistic studies of the atmospheric oxidation of alkynes. *Journal of Physical Chemistry A* **2005**, *109*, 1879-1889.
- Patchen, A.K.; Pennino, M.J.; Elrod, M.J. Overall rate constant measurements of the reaction of chloroalkylperoxy radicals with nitric oxide. *Journal of Physical Chemistry A* **2005**, *109*, 5865-5871.
- Miller, A. M.; Yeung, L. Y.; Kiep, A. C.; Elrod, Matthew J. Overall rate constant measurements of the reactions of alkene-derived hydroxyalkylperoxy radicals with nitric oxide. *Physical Chemistry Chemical Physics* **2004**, *6*, 3402-3407.
- Yeung, L.Y.; Elrod, M.J. Experimental and computational study of the kinetics of the OH + pyridine and its methyl- and ethyl-substituted derivatives. *Journal of Physical Chemistry A* **2003**, *107*, 4470-4477.
- Elrod, M.J. A comprehensive computational investigation of the enthalpies of formation and proton affinities of C_4H_7N and C_3H_3ON compounds. *International Journal of Mass Spectrometry* **2003**, *228*, 91-105.
- Chow, J.M.; Miller, A.M.; Elrod, M.J. Kinetics of the $C_3H_7O_2$ + NO reaction: temperature dependence of the overall rate constant and the i-$C_3H_7ONO_2$ branching channel. *Journal of Physical Chemistry A* **2003**, *107*, 3040-3047.
- Elrod, M. J.; Ranschaert, D. L.; Schneider, N. J. Direct kinetics study of the temperature dependence of the CH_2O branching channel for the CH_3O_2 + HO_2 reaction. *International Journal of Chemical Kinetics* **2001**, *33*, 363-376.
- Cappa, C.D.; Elrod, M.J. A computational investigation of the electron affinity of CO_3 and the thermodynamic feasibility of $CO_3^-(H_2O)_n$ + ROOH reactions. *Physical Chemistry Chemical Physics* **2001**, *3*, 2986-2994.
- Ranschaert, D.L.; Schneider, N.J.; Elrod, M.J. Kinetics of the $C_2H_5O_2$ + NO_x reactions: temperature dependence of the overall rate constant and the $C_2H_5ONO_2$ Branching Channel of $C_2H_5O_2$ + NO. *Journal of Physical Chemistry A* **2000**, *104*, 5758-5765.
- Messer, B.M.; Stielstra, D.E.; Cappa, C.D.; Scholtens, K.W.; Elrod, M.J. Computational and experimental studies of chemical ionization mass spectrometric detection techniques for atmospherically relevant peroxides. *International Journal of Mass Spectrometry* **2000**, *197*, 219-235.
- Cappa, C.D.; Kuipers, S.E.; Roberts, J.M.; Gilbert, A.S.; Elrod, M.J. Product identification and kinetics of reactions of HCl with HNO_3/H_2SO4/H_2O solutions. *Journal of Physical Chemistry A* **2000**, *104*, 4449-4457.
- Scholtens, K.W.; Messer, B.M.; Cappa, C.D.; Elrod, M.J. Kinetics of the CH_3O_2 + NO reaction: temperature dependence of the overall rate constant and an improved upper limit for the CH_3ONO_2 branching channel. *Journal of Physical Chemistry A* **1999**, *103*, 4378-4384.
- Messer, B.M.; Elrod, M.J. A theoretical study of ROX (R = H, CH_3; X = F, Cl, Br) enthalpies of formation, ionization potentials and fluoride affinities. *Chemical Physics Letters* **1999**, *301*, 10-18.
- Elrod, M.J. Greenhouse warming potentials from the infrared spectoscopy of atmospheric gases. *J. Chem. Ed.* **1999**, *76*, 1702-1705.
- Lipson, J.B.; Elrod, M.J.; Beiderhase, T.W.; Molina, L.T.; Molina, M.J. Temperature dependence of the rate constant and branching ratio for the OH + ClO reaction. *Journal of the Chemical Society, Faraday Transactions* **1997**, *93*, 2665-2673.
- Leforestier, C.; Braly, L. B.; Kun, L.; Elrod, M. J.; Saykally, R. J. Fully coupled six-dimensional calculations of the water dimer vibration-rotation-tunneling states. *Journal of Chemical Physics* **1997**, *106*, 8527-8544.
- Seeley, J. V.; Meads, R. F.; Elrod, M. J.; Molina, M. J. Temperature and pressure dependence of the rate constant for the HO_2 + NO reaction. *The Journal of Physical Chemistry* **1996**, *100*, 4026-4031.
- Elrod, M. J.; Meads, R. F.; Lipson, J. B.; Seeley, J. V.; Molina, M. J. Temperature dependence of the rate constant for the HO_2 + BrO reaction. *The Journal of Physical Chemistry* **1996**, *100*, 5808-5812.
- Elrod, M.J.; Koch, R.E.; Kim, J.E.; Molina, M.J. HCl vapor pressures and reaction probabilities for $ClONO_2$ + HCl on liquid H_2SO_4/HNO_3/H_2O solutions. *Discussions of the Faraday Society* **1995**, *99*, 269-278.
- Elrod, M. J.; Saykally, R. J. Determination of the intermolecular potential energy surface for $(HCl)_2$ from vibration–rotation–tunneling spectra. *Journal of Chemical Physics* **1995**, *103*, 933-949.
- Elrod, M. J.; Saykally, R. J. Vibration–rotation–tunneling dynamics calculations for the four-dimensional $(HCl)_2$ system: A test of approximate models. *Journal of Chemical Physics* **1995**, *103*, 921-932.
- Liu, K.; Elrod, M.J.; Loeser, J. G.; Cruzan, J. D.; Rzepiela, J.A.; Pugliano, N.; Saykally, R. J. Far infrared vibration-rotation-tunneling spectroscopy of the water trimer. *Discussions of the Faraday Society* **1994**, *97*, 35-41.

- Liu, Kun; Loeser, J. G.; Elrod, M. J.; Host, B. C.; Rzepiela, J. A.; Pugliano, N.; Saykally, R. J. Dynamics of structural rearrangements in the water trimer. *Journal of the American Chemical Society* **1994**, *116*, 3507-3512.
- Elrod, M.J.; Saykally, R. J.; Cooper, A. R.; Hutson, J. M. Non-additive intermolecular forces from the spectroscopy of van der Waals trimers: far infrared spectra and calculations on Ar_2DCl. *Molecular Physics* **1994**, *81*, 579-598.
- Elrod, M. J.; Saykally, R. J. Many-body effects in intermolecular forces. *Chemical Reviews* **1994**, *94*, 1975-1997.
- Dore, L.; Cohen, R. C.; Schmuttenmaer, C. A.; Busarow, K. L.; Elrod, M. J.; Loeser, J.G.; Saykally, R. J. Far infrared vibration-rotation-tunneling spectroscopy and internal dynamics of methane–water: A prototypical hydrophobic system. *Journal of Chemical Physics* **1994**, *100*, 863-876.
- Steyert, D. W.; Elrod, M. J.; Saykally, R. J. Far-infrared laser vibration–rotation–tunneling spectroscopy of the propane–water complex: Torsional dynamics of the hydrogen bond. *Journal of Chemical Physics* **1993**, *99*, 7431-7439.
- Steyert, D. W.; Elrod, M. J.; Saykally, R. J.; Lovas, F. J.; Suenram, R. D. Fourier transform microwave spectrum of the propane–water complex: A prototypical water-hydrophobe system. *Journal of Chemical Physics* **1993**, *99*, 7424-7430.
- Cooksy, A. L.; Elrod, M. J.; Saykally, R. J.; Klemperer, W. Dipole moment analysis of excited van der Waals vibrational states of $ArH^{35}Cl$. *Journal of Chemical Physics* **1993**, *99*, 3200-3204.
- Elrod, M. J.; Loeser, J. G.; Saykally, R. J. An investigation of three-body effects in intermolecular forces. III. Far infrared laser vibration–rotation–tunneling spectroscopy of the lowest internal rotor states of Ar_2HCl. *Journal of Chemical Physics* **1993**, *98*, 5352-5361.
- Elrod, M.J.; Host, B. C.; Steyert, D. W.; Saykally, R. J. Far infrared vibration-rotation-tunneling spectroscopy of ArDCl: a critical test of the H6(4,3,0) potential surface. *Molecular Physics* **1993**, *79*, 245-251.
- Loeser, J. G.; Schmuttenmaer, C. A.; Cohen, R. C.; Elrod, M. J.; Steyert, D. W.; Saykally, R. J.; Bumgarner, R. E.; Blake, G. A. Multidimensional hydrogen tunneling dynamics in the ground vibrational state of the ammonia dimer. *Journal of Chemical Physics* **1992**, *97*, 4727-4749.
- Elrod, M. J.; Steyert, D. W.; Saykally, R. J. An investigation of three-body effects in intermolecular forces. II. Far-infrared vibration–rotation–tunneling laser spectroscopy of Ar_2HCl. *Journal of Chemical Physics* **1991**, *95*, 3182-3190.
- Elrod, M. J.; Steyert, D. W.; Saykally, R. J. An investigation of three-body effects in intermolecular forces. II. Far-infrared vibration–rotation–tunneling laser spectroscopy of Ar_2HCl. *Journal of Chemical Physics* **1991**, *95*, 3182-3190.

BOOK REVIEWS

- Elrod, M. J. Review of "An Introduction to Chemical Kinetics" by M.R. Wright. *Journal of Chemical Education* **2005**, *82*, 40-41
- Elrod, M. J. A Review of "Survival Guide for Physical Chemistry" by M. Francl. *Journal of Chemical Education* **2002**, *79*, 1074-1075.

RECENT PRESENTATIONS

Kenyon College, Chemistry Seminar December 2018
- *Physical Organic Chemistry on Atmospheric Aerosol Particles.*

Oberlin College, Chemistry and Biochemistry Seminar November 2018
- *Physical Organic Chemistry on Atmospheric Aerosol Particles.*

College of Wooster, Chemistry Seminar November 2018
- *Physical Organic Chemistry on Atmospheric Aerosol Particles.*

Harvard University, Atmospheric and Environmental Chemistry Seminar March 2018
- *Chemical Mechanism Development for the Formation of Secondary Organic Aerosol Components.*

PROFESSIONAL SERVICE

- Reviewer for *Proceedings of the National Academy of Sciences*
- Reviewer for *ACS Space and Earth Chemistry*
- Reviewer for *Geophysical Research Letters*
- Reviewer for *Atmospheric Environment*
- Reviewer for *Atmospheric Chemistry and Physics*
- Reviewer for *Journal of Physical Chemistry A*
- Reviewer for *Environmental Science and Technology*
- Reviewer for *International Journal of Chemical Kinetics*
- Reviewer for *Journal of Chemical Education*

- Reviewer for the NSF Atmospheric Chemistry Program
- Reviewer for the NSF Chemistry Program
- Reviewer for the NSF Global Scientists and Engineers Program
- Reviewer for the ACS/PRF Program
- Reviewer for the Research Corporation Program
- Reviewer for the Department of Energy Atmospheric Science Program
- Reviewer for the North Carolina Per- and Polyfluoroalkyl Substance Testing Network
- Reviewer for the Merck/AAAS Undergraduate Science Research Program

CONSULTING

U.S. Environmental Protection Agency

- Helped develop a method to screen all chemicals regulated by the Toxic Substances Control Act for potential greenhouse gas behavior.

College Board

- Served on Chemistry Advanced Placement Exam Review Board.

Peer Institutions

- Chemistry program reviewer.

UNDERGRADUATE RESEARCH STUDENTS MENTORED

- Will Bass, Oberlin ‘23
- Drew Dansby, Oberlin ‘23
- Aziz Mohammed, Oberlin ‘23
- Ali Alotbi, Oberlin ‘23
- Sunniva Sheffield, Oberlin ‘22
- Sophie Lyon, Oberlin ‘22
- Yanni Sarrimanolis, Oberlin ‘22
- Daniel Hill, Oberlin ‘21
- Erika Aoki, Oberlin ’21 – research assistant, University of California, San Francisco
- He Ren, Oberlin ’20 – graduate student – University of California, Berkeley
- Haodong Jiang, Oberlin ‘19
- Jane Sedlak, Oberlin ’19 – graduate student, University of California, San Diego
- Angel Nuñez, Oberlin ’19 – financial advisor – Edward Jones
- William Dresser, Oberlin ’19 – graduate student – University of Colorado, Boulder
- Kallie Jiang, Oberlin ’19 – research assistant – Tufts University
- Diego Cortés, Oberlin ’18 – research assistant – Baylor University
- Arden Hammer Oberlin ‘18
- Santino Stropoli, Oberlin ’18 – graduate student – Yale University
- Galen Brennan, Oberlin ’17 – medical student – University of Rochester
- Corina Miner, Oberlin ’16 – software engineer - Intentionet
- Liora Mael, Oberlin ’16 – graduate student – University of California, San Diego
- William Thomas, Oberlin ’15- graduate student – Princeton University
- William Banfield, Oberlin ’15 – software engineer - MongoDB
- Dylan Bleier, Oberlin ’15 – graduate student – University of Wisconsin, Madison
- William Burke, Oberlin ‘15
- Michael Jacobs, Oberlin ’14 – Ph.D. 2019, University of California, Berkeley; postdoc – University of Illinois, Champaign-Urbana
- Alex Watanabe, Oberlin ’14 – programmer – University of Hawaii
- Adam Birdsall, Oberlin ’13 – Ph.D. 2019, Harvard University; data scientist - Goodyear
- Cassandra Zentner, Oberlin ’13 – Ph.D. 2020, Massachusetts Institute of Technology; director of applications – actnano
- Adam Darer, Oberlin ’12 – graduate student – Virginia Institute of Marine Science
- Alison O’Connor, Oberlin ’12 – Ph.D. 2017, Virginia Institute of Marine Science; consultant- Ramboll
- John Andreoni, Oberlin ’11 – graduate student – University of Michigan, Ann Arbor
- Kevin Hu, Oberlin ’11 – M.D. 2016, Mt. Sinai; physician - Mt. Sinai
- Madeline Schultz, Oberlin ’10 – M.Ed. 2012, John Carroll University; chemistry teacher – Reynoldsburg City Schools
- Neil Cole-Filipiak, Oberlin ’10 - Ph.D. 2015, University of California, Berkeley; postdoc – Lawrence Livermore National Laboratory

- Hong Yuan Hsin, Oberlin ’09 - D.M.D. 2016, University of Pittsburgh; dentist – Columbia Valley Community Health Center
- Emily Minerath, Oberlin ’09 – M.L.S. 2013, University of Wisconsin, Madison
- Erika Rohrs, Oberlin ‘09
- Benjamin Baldwin, Oberlin ’09 – M.S. 2016, Tufts University; project manager – Dudley Street Neighborhood Initiative
- Amelia Hadler, Oberlin, ’08 – Ph.D., 2014, University of Wisconsin, Madison; scientist –Lubrizol
- Mia Casale, Oberlin ’07 – M.P.H., 2012, University of Michigan; analyst – Ann and Robert Lurie Children’s Hospital
- Eben Lichtman, Oberlin ’07 – M.D., 2012, University of Massachusetts; fellow – University of North Carolina Health Care
- Amie Patchen, Oberlin ’06 – graduate student – Boston College
- Cristian Baltaretu, Oberlin ’06 – graduate student – University of Illinois
- Aviva Richman, Oberlin ’06 – graduate student – New York University
- Michael Pennino, Oberlin ’05 – Ph.D., 2014, University of Maryland; ecologist – U.S. Environmental Protection Agency
- Andrew Huisman, Hope ’04 – Ph.D., 2010, University of Wisconsin, Madison; faculty - Union College
- Brian Raver, Hope ’04
- Angela Miller, Oberlin ’04 – chemist – The Ohio State University
- Laurence Yeung, Oberlin, ’04 – Ph.D, 2009, California Institute of Technology; faculty – Rice University
- Annastassja Kiep, Oberlin ’04 – scientist - Shaw Environmental
- Jason Criscione, Oberlin ’03 – Ph.D. 2012, Yale University - scientist – 1366 Technologies
- Matthew Stavis, Oberlin ’02 – M.S., 2006, University of California, Berkeley; faculty – Laney College
- Jessica Chow, Oberlin ’02 – Ph.D. 2010, The Julliard School; faculty – Boston Conservatory at Berklee
- Dana Ranschaert, Hope ’02 – M.S. 2005, College of William and Mary; actuary
- Nicholas Schneider, Hope ’02 – M.D. 2006 – Michigan State University; physician
- Mari Titcombe, Hope ’02 – Ph.D. 2012, University of Minnesota; scientist – U.S. Environmental Protection Agency
- Christopher Cappa, Hope ’00 - Ph.D. 2005, University of California, Berkeley; faculty – University of California, Davis
- Kurtis Scholtens, Hope ’00 – M.B.A. Central Michigan University - sales manager – Webb Chemical
- David Stielstra, Hope ’00 – director of technical solutions – The C2 Group
- Benjamin Messer, Hope ’99 - Ph.D. 2006, University of California, Berkeley; postdoc –University of Southern California
- Sarah Kuipers, Hope ’99 – scientist – Pfizer
- Jeanine Roberts, Hope '99