

Curriculum Vitae

Gary E. Douberly

Department of Chemistry
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Education

B.S. Chemistry, 2000, University of Central Florida.
Research Advisor – Hiroshi Matsui

Ph.D. Physical Chemistry, 2006, University of North Carolina at Chapel Hill.
Research Advisors - Roger E. Miller and Tomas Baer
Dissertation title: "Infrared Laser Spectroscopy of Dopants In and On Helium Nanodroplets: Rotational and Vibrational Dynamics"

Professional Appointments

2026 Chair, Department of Chemistry, Washington State University
2026 Professor and Boeing Endowed Chair of Advanced Materials Research, Department of Chemistry, Washington State University
2025 Interim Head, Department of Chemistry, University of Georgia (while also continuing to serve as Associate Dean)
2022 Associate Dean, Franklin College of Arts and Sciences, University of Georgia
2020 Courtesy Faculty, Department of Physics and Astronomy, University of Georgia
2019 Head, Department of Chemistry, University of Georgia.
2018 Professor, Department of Chemistry, University of Georgia.
2016 Visiting Fellow, JILA, University of Colorado.
2014 Associate Professor, Department of Chemistry, University of Georgia.
2008 Assistant Professor, Department of Chemistry, University of Georgia.
2006 Postdoctoral Fellow, University of Georgia. Advisor – Michael A. Duncan

Professional Affiliations

American Chemical Society (Physical Division); American Physical Society (Chemical Physics Division); Coblentz Society; Royal Society of Chemistry (FRSC)

Awards and Honors

International Symposium on Free Radicals, co-Chair, 2025.
Fellow of the Royal Society of Chemistry, 2019.
Molecular and Ionic Clusters Gordon Research Conference, co-Chair, 2018.
Conference on Cold and Controlled Molecules and Ions, Chair, 2018.
Northeast Georgia Section ACS, Chemist of the Year for Service, 2017.
JILA Visiting Fellow, 2016.
UGA Center for Teaching and Learning, Fellows for Innovative Teaching, 2016.
Coblentz Memorial Award (Coblentz Society), 2015.
Journal of Physical Chemistry A Lectureship (American Chemical Society), 2014.
Northeast Georgia Section ACS, Chemist of the Year for Research, 2014.
Frontiers of Spectroscopy Lecturer, Ohio State University, Columbus, OH, 2014.
Presidential Early Career Award for Scientists and Engineers (PECASE), 2013.
Department of Energy, Office of Science, Early Career Award, 2012.
National Science Foundation, Faculty Early Career Development Award, 2011.
Rao Prize, International Symposium on Molecular Spectroscopy, 2006.
Ernest L. Eliel Fellowship, University of North Carolina at Chapel Hill, 2004.
Frances P. Venable Fellowship, University of North Carolina at Chapel Hill, 2001.
Office of Undergraduate Research Award, University of Central Florida, 2000.
Analytical Chemistry Award, University of Central Florida, 2000.
Physical Chemistry Award, University of Central Florida, 2000.

Other Professional Activities

- Guest Editor: *Journal of Physical Chemistry* Virtual Special Issue on the 75th *International Symposium on Molecular Spectroscopy*, 2020.
- Chair: International Advisory Committee to the *International Symposium on Molecular Spectroscopy*, 2019-2020
- Chair: Coblentz Award Committee, *Coblentz Society*, 2017.
- Member: Committee to review the *Journal of Chemical Physics*. November 27-28, 2017.
- Member: Committee of Visitors for the Division of Chemical Sciences, Biosciences and Geosciences. Basic Energy Sciences, US-DOE. March 27-30, 2017
- Member: Independent Review of the HPIR Venture, Savannah River National Laboratory. June 29, 2017.
- Chair: *Northeast Georgia Section of the American Chemical Society*, 2016.
- Chair: Rao Prize Committee, *International Symposium on Molecular Spectroscopy*, 2014-2019.
- Member: Education Committee, *Coblentz Society*, 2012-2013.
- Rao Prize Judge: *International Symposium on Molecular Spectroscopy*, 2007-present

International Advisory Boards:

1. *Cold and Controlled Molecules and Ions Symposium*, 2012-2022.
2. *International Conference on Quantum Fluid Clusters*, 2013-present
3. *International Symposium on Molecular Spectroscopy*, 2014-2022.
4. *International Symposium on Free Radicals*, 2025-present.

Editorial Boards:

1. Editorial Board of the *Journal of Molecular Spectroscopy*, 2014-2017.
2. Editorial Advisory Board, *Journal of Physical Chemistry Letters*, 2015-2017.
3. Editorial Advisory Board, *Journal of Physical Chemistry*, 2020-present

Symposium/Meeting Organizer:

1. 67th International Symposium on Molecular Spectroscopy, Columbus, OH. June 17-22, 2012. Co-organizer (David T. Anderson, University of Wyoming) of the mini symposium: *Cold Quantum Systems*.
2. 2016 Molecular and Ionic Cluster Gordon Research Conference, Vice co-Chair.
3. 2018 Molecular and Ionic Cluster Gordon Research Conference, co-Chair.
4. 2018 Conference on Cold and Controlled Molecules and Ions, Chair.
5. 2022 International Conference on Quantum Fluid Clusters, co-Chair.
6. 2025 37th International Symposium on Free Radicals, co-Chair.

Session Chair:

1. “Cold Collisions.” XXI Dynamics of Molecular Collisions Meeting, Snowbird, UT. July 5-10, 2009.
2. “Matrix and Condensed Phase” 65th Ohio State University International Symposium on Molecular Spectroscopy, Columbus, OH. June 21-25, 2010.
3. “Radicals and Ions” 66th Ohio State University International Symposium on Molecular Spectroscopy, Columbus, OH. June 20-24, 2011.
4. “Cold Quantum Systems” 67th Ohio State University International Symposium on Molecular Spectroscopy, Columbus, OH. June 17-22, 2012.
5. “Cold/Ultracold/Matrices/Droplets” 70th International Symposium on Molecular Spectroscopy, Urbana-Champaign, IL. June 22-26, 2015.
6. “Vibrational structure/frequencies” 71st International Symposium on Molecular Spectroscopy, Urbana-Champaign, IL. June 20-24, 2016.
7. “Ions” 74th International Symposium on Molecular Spectroscopy, Urbana-Champaign, IL. June 17-21, 2019.
8. “Condensed Phase and Poster Session A” 35th International Symposium on Free Radicals, Hangzhou, China. September 16-20, 2019.

Collaborations:

Dr. C. Michael Lindsay, Air Force Research Laboratories, Eglin AFB, FL., 2008-2014
“Laser Spectroscopy of Energetic Materials Synthesized in Helium Nanodroplets”

Dr. Andrey Vilesov, University of Southern California, 2010, “Infrared spectroscopy of HCl-H₂O clusters in helium nanodroplets”; 2013, “Infrared Spectra in the 3 μ m region of ethane and ethane clusters in He droplets”

Dr. Sotiris S. Xantheus, PNNL, 2011-2016. “Non-Equilibrium growth of non-cyclic water clusters in helium nanodroplets”

Dr. Henry F. Schaefer III, University of Georgia, 2012-present. “Spectroscopy of hydrocarbon radicals in helium nanodroplets”

Dr. Mark D. Marshall, Amherst College, 2012-2014. “Spectroscopic implications of unquenched electronic angular momentum in open shell complexes solvated in liquid helium”

Dr. Stephen J. Klippenstein, Argonne National Lab, 2013, “The Propargyl + O₂ reaction in helium droplets: entrance channel barrier or not?”

Dr. Jerry A. Boatz and Dr. Steven D. Chambreau, Air Force Research Laboratories, Edwards AFB, CA., 2013, “Helium Nanodroplet Isolation and Infrared Spectroscopy of the Isolated Ion- Pair 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide”

Dr. Wesley D. Allen, University of Georgia, 2013-2014. “Dipole Moment of the HOOO Radical: Resolution of a Structural Enigma”

Dr. John F. Stanton, University of Florida, 2013-2015. “Capture of Hydroxymethylene in Helium Droplets: High-Resolution Rovibrational Laser Spectroscopy”

Dr. Anne McCoy, University of Washington, 2014-2016. “Stark and Zeeman Spectroscopy of the OH-CO radical”

Dr. Edwin Sibert, University of Wisconsin, 2016 “Anharmonic interactions in the Propyl Radical”

Dr. Hua Guo, University of New Mexico, 2016 “Three-centered two-electron bonding in halogen containing molecular complexes”

Dr. Heather Lewandowski, JILA CU-Boulder, 2016-present “Laser Spectroscopy of Clusters produced in Cryogenic Buffer Gas Beams”

Dr. Yuan-Pern Lee, Academia Sinica, Taiwan, 2017-present “Spectroscopy of Alkyl Radicals in Helium Droplets and Solid *para*-Hydrogen”

Dr. Michael A. Duncan, University of Georgia, 2008-present “Spectroscopy of Molecular Ions in the Gas-Phase and in Helium Droplets”

Dr. Paul L. Raston, University of Hawaii, 2020-present “Synchrotron-based FIR Spectroscopy of Complex Organic Molecules”

Dr. David Nesbitt, University of Colorado, JILA, 2023-2025 “Novel optical parametric oscillator design for high-power, high-resolution, frequency-stable, cw infrared spectroscopic applications”

Journal Referee:

Journal of Physical Chemistry, Journal of Chemical Physics, Chemical Physics, Physical Chemistry Chemical Physics (PCCP), Chemical Physics Letters, European Physical Journal D, Reviews of Scientific Instruments, Journal of Molecular Spectroscopy, Journal of the American Chemical Society, Frontiers in Chemistry, Advanced Materials, RSC Advances, ChemPhysChem, Astrophysical Journal

Proposal Review:

National Science Foundation, Department of Energy: Office of Science, American Chemical Society: Petroleum Research Fund, etc.

Biography

Gary E. Douberly received a B.S. degree in chemistry from the University of Central Florida in 2000. He received a Ph.D. in physical chemistry from the University of North Carolina at Chapel Hill in 2006 under the direction of Roger E. Miller and Tomas Baer. Following postdoctoral work with Michael A. Duncan at the University of Georgia, he began his faculty appointment at the University of Georgia in 2008. He was promoted to full Professor in 2018. Professor Douberly has received the CAREER award from the National Science Foundation, the Early Career Award from the Department of Energy Office of Science, the Presidential Early Career Award for Scientists and Engineers (PECASE) from the White House Office of Science and Technology Policy, a JILA Visiting Fellowship, the Journal of Physical Chemistry Lectureship Award, and the Coblentz Memorial Award from the Coblentz Society recognizing advancements in the field of Molecular Spectroscopy by a scientist under the age of 40. In 2019, he was elected as a Fellow of the Royal Society of Chemistry. Also in 2019, Douberly was appointed the Head of the Department of Chemistry at the University of Georgia. Following three and a half years serving in this role, he was appointed as Associate Dean of the UGA Franklin College of Arts and Sciences (2022-2026), wherein he supported the Division of Biological Sciences (3400 students and 160 faculty), with college-wide assignments focused on Industry Engagement and Research/Instructional Facilities. As of June 2026, Professor Douberly is the Boeing Endowed Chair of Advanced Materials Research and the Chair of the Department of Chemistry at Washington State University.

Research Funding

Completed

University of Georgia Research Foundation, \$8,925 “Vibrational Spectroscopy of Transient Combustion Intermediates Trapped in Helium Nanodroplets,” 1/1/10 to 12/31/10. (1164)
PI: Douberly

Air Force Research Laboratory, Munitions Directorate (AFRL/RWME), \$65,000
“Automation of an Optical Parametric Oscillator for the Characterization of Energetic
Materials Synthesized in Helium Nanodroplets,” 8/1/10 to 7/31/11. (FA8651-10-C-0272)
PI: Douberly

American Chemical Society Petroleum Research Fund, \$100,000 “Vibrational Spectroscopy
of Transient Combustion Intermediates Trapped in Helium Nanodroplets,” 9/1/10 to
8/31/12. (PRF No. 50223-DNI6)
PI: Douberly

National Science Foundation, (CSDM), \$618,505 “CAREER: Using Helium Nanodroplets
to Probe the Structure and Thermochemistry of Biomolecular Building Blocks” 1/15/11 to
12/31/15. (CHE-1054742)
PI: Douberly

Department of Energy, Office of Science, Early Career Research Program, \$750,000
“Vibrational Spectroscopy of Transient Combustion Intermediates Trapped in Helium
Nanodroplets,” 7/1/12 to 6/30/17. (DE-FG02-12ER16298)
PI: Douberly

United States Air Force, Education Partnership Agreement, \$443,500 “Infrared Optical
Parametric Oscillator for Infrared-Infrared Double Resonance Experiments using Beams of
Helium Nanodroplets,” 5/1/2018. (USAF EPA Number 18-136-RW-01)
PI: Douberly

National Science Foundation, (CSDM-A), \$436,406 “Helium Droplet Spectroscopy of
Atmospherically Significant Reaction Intermediates” 5/1/17 to 4/30/20. (CHE-1664637)
PI: Douberly

Department of Energy, Office of Science, Basic Energy Sciences, Gas-Phase Chemical
Physics Program (GPCP), \$799,100 “Theoretical and Experimental Studies of Elementary
Hydrocarbon Species and Their Reactions,” 12/1/17 to 11/30/20. (DE-SC0018412)
PI: Douberly; co-PI: Henry F. Schaefer (UGA)

American Chemical Society Petroleum Research Fund, \$110,000 “High Resolution
Spectroscopy of Metal Oxide Clusters,” 9/1/19 to 8/31/21. (PRF No. 60510-ND6)
PI: Heather Lewandowski (CU-Boulder); co-PI: Douberly

Department of Energy, Office of Science, Basic Energy Sciences, Gas-Phase Chemical
Physics Program (GPCP), \$827,074 “Theoretical and Experimental Studies of Elementary
Hydrocarbon Species and Their Reactions,” 12/1/20 to 5/31/24. (DE-SC0018412)
PI: Douberly; co-PI: Henry F. Schaefer (UGA)

Active

Department of Energy, Office of Science, Basic Energy Sciences, Gas-Phase Chemical Physics Program (GPCP), \$924,000 “Theoretical and Experimental Studies of Elementary Hydrocarbon Species and Their Reactions,” 9/1/24 to 8/31/27. (DE-SC0018412)
PI: Douberly; co-PI: Henry F. Schaefer (UGA)

Department of Energy, Office of Science, Basic Energy Sciences, Gas-Phase Chemical Physics Program (GPCP), \$10,000 “37th International Symposium on Free Radicals,” 8/1/25 to 7/31/26. PI: Douberly (UGA)

Invited Lectures

1. “Infrared laser spectroscopy of metal atom adsorbate systems solvated and attached to helium nanodroplets” Roger E. Miller Memorial Symposium. Chapel Hill, NC. October 6-8, 2006.
2. “Synthesis of metastable/energetic metal nanoparticles within liquid helium droplets,” Eglin Air Force Base, Munitions Research Laboratory, December 12, 2006.
3. “Helium nanodroplet isolation spectroscopy (HENDI):
The marriage between molecular beam and matrix isolation spectroscopy”
University of Georgia, Physical Chemistry Seminar. Athens, GA. January 12, 2007.
4. “Infrared and computational studies of small carbocations” American Chemical Society National Meeting. New Orleans, LA. April 6, 2008.
5. “Infrared spectroscopy of size-selected gas phase carbocations” University of Alberta. Edmonton, Alberta. August 6, 2008.
6. “Liquid helium droplet nanoreactors: Chemistry near absolute zero” Centre College, Danielsville, KY. April 7, 2009.
7. “Liquid helium droplet nanoreactors: Chemistry near absolute zero” Georgetown College, Georgetown, KY. April 8, 2009.
8. “Liquid helium droplet nanoreactors: Chemistry near absolute zero” Berea College, Berea, KY. April 9, 2009.
9. “Spectroscopy of molecular clusters in 0.4 kelvin helium nanodroplets” Kyoto Workshop on Cold Atoms and Molecules, Kyoto, Japan. June 23-26, 2009.
10. “Thermochemistry of cytosine tautomers with ± 0.1 kcal/mol accuracy” University of Georgia, Physical Chemistry Seminar. Athens, GA. September 11, 2009.

11. “Liquid helium droplet nanoreactors: Chemistry near absolute zero” East Tennessee State University, Johnson City, TN. October 16, 2009.
12. “Spectroscopy of molecular clusters in 0.4 Kelvin helium nanodroplets” University of Georgia, Department of Physics Colloquium. Athens, GA. November 12, 2009.
13. “Liquid helium droplet nanoreactors: Chemistry near absolute zero” Armstrong Atlantic State University, Savannah, GA. March 5, 2010.
14. “Spectroscopy of molecular clusters in 0.4 Kelvin helium nanodroplets” American Chemical Society National Meeting. San Francisco, CA. March 24, 2010.
15. “Infrared spectroscopic studies of protonated polycyclic aromatic hydrocarbons (H⁺PAHs) and their relevance for the unidentified infrared bands” A Workshop of the Southeast Laboratory Astrophysics Community: Dust and Ice: Their Roles in Astrophysical Environments. University of Georgia, Athens, GA. March 30-April 1, 2010.
16. “Spectroscopy and reactions of hydrocarbon radicals in 0.4 Kelvin helium nanodroplets” 41st Annual Meeting of the American Physical Society Division of Atomic, Molecular, and Optical Physics (DAMOP). May 29, 2010.
17. “Biophysical chemistry in helium nanodroplets: exploring fundamental interactions at play in biochemistry” Albany State University, Atlanta, GA. August 31, 2010.
18. “Spectroscopy of molecular clusters in 0.4 Kelvin helium nanodroplets” University of Florida, Gainesville, FL. September 14, 2010.
19. “Spectroscopy of molecular clusters in 0.4 Kelvin helium nanodroplets” James Madison University, Harrisonburg, VA. January 14, 2011.
20. “Rovibrational spectroscopy of aluminum carbonyl clusters in helium nanodroplets” University of North Carolina at Chapel Hill, Chapel Hill, NC. April 21, 2011.
21. “Rovibrational spectroscopy of aluminum carbonyl clusters in helium nanodroplets” Emory University, Atlanta, GA. April 25, 2011.
22. “An introduction to optical parametric oscillators,” Eglin Air Force Base, Munitions Research Laboratory, May 5, 2011.
23. Hot Topic Talk. “Rovibrational spectroscopy of aluminum carbonyl clusters in helium nanodroplets” 482nd Heraeus Seminar: *Helium Nanodroplets* –

Confinement for Cold Molecules and Cold Chemistry. Bad Honnef, Germany. May 29 to June 1, 2011.

24. “Spectroscopy and Dynamics of Molecular Clusters in 0.4 Kelvin Helium Nanodroplets” XXII *Dynamics of Molecular Collisions* Meeting, Snowbird, UT. July 10-15, 2011.
25. Hot Topic Talk. “Spectroscopy and Dynamics of Open Shell Molecular Clusters in 0.4 K Helium Nanodroplets” 31st *International Symposium on Free Radicals*. Port Douglas, Australia. July 24 to July 29, 2011.
26. “Spectroscopy of Transient Species in Helium Droplets” University of Southern California, Los Angeles, CA. September 12, 2011.
27. “Hydrocarbon Radical Reactions in Helium Nanodroplets” 2012 Gordon Research Conference on *Molecular and Ionic Clusters*. Ventura, CA. January 29 to February 2, 2012.
28. “Spectroscopy of Molecular Clusters in 0.4 Kelvin Helium Nanodroplets” University of North Carolina at Greensboro, Greensboro, NC. February 10, 2012.
29. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” Purdue University, West Lafayette, IN. April 4, 2012.
30. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” Marquette University, Milwaukee, WI. April 6, 2012.
31. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” University of Wisconsin, Madison, WI. April 9, 2012.
32. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” Rowland Institute at Harvard, Cambridge, MA. May 11, 2012.
33. “The Formation of Clusters Containing the Hydroxyl Radical and (O₂)_n in Helium Nanodroplets: Experiment and Theory” *Southeast Theoretical Chemistry Association* (SETCA) Annual Meeting. Center for Computational Chemistry, University of Georgia, Athens, GA. May 17-19, 2012.
34. “Radical Containing Clusters in Helium Nanodroplets” *Aggregation of Small Molecules - from Dimers to Crystals*. Ruhr Universität, Bochum, Germany. May 29-31, 2012.
35. “The Formation and Spectroscopy of OH and HO_n in Helium Nanodroplets” Telluride Workshop on *Spectroscopy and Dynamics on Multiple Potential Energy Surfaces*. Telluride, CO. July 9-13, 2012.

36. “Metastable Clusters in Helium Nanodroplets” 2012 Gordon Research Conference on *Atomic and Molecular Interactions*. Stonehill College, Easton, MA. July 15-20, 2012.
37. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” The Ohio State University, Columbus, OH. September 17, 2012.
38. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” University of Kentucky, Lexington, KY. September 21, 2012.
39. “High Resolution Laser Spectroscopy of Radical Containing Complexes and Radical-Radical Reaction Products in Helium Nanodroplets” 14th Edition of the *Conference on the Stereodynamics of Chemical Reactions*. Paris, France. October 22-26, 2012.
40. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” University of Wyoming, Laramie, WY. February 7, 2013.
41. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” University of Colorado, Boulder, CO. February 8, 2013.
42. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” University of Texas at Austin, Austin, TX. February 28, 2013.
43. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” University of West Florida, Pensacola, FL. March 29, 2013.
44. “Radical Containing Complexes and Radical-Radical Reactions in Helium Nanodroplets” Lehigh University, Bethlehem, PA. April 17, 2013.
45. “High-Resolution Stark Spectroscopy of OH Containing Complexes in Helium Nanodroplets” Center for Free-Electron Laser Science (CFEL) Deutsches Elektronen-Synchrotron (DESY), Hamburg, Germany. June 14, 2013.
46. “High-Resolution Stark Spectroscopy of OH Containing Complexes in Helium Nanodroplets” *Quantum Fluid Clusters* 2013, Regensburg, Germany. June 16-19, 2013.
47. “High-Resolution Stark Spectroscopy of OH Containing Complexes in Helium Nanodroplets” Fritz Haber Institute, Berlin, Germany. June 21, 2013.
48. “Chemistry Near Absolute Zero: Spectroscopy of Reactive Molecules in Helium Nanodroplets” University of Mississippi, Oxford, MS. July 1, 2013.
49. “Stark Spectroscopy and the Vibrational Dynamics of Hydridotrioxigen (HOOO)” Telluride Workshop on *Vibrational Dynamics*. Telluride, CO. July 21-26, 2013.

50. “Helium Nanodroplet Isolation of Hydrocarbon Radicals” Telluride Workshop on *Radicals in the Rockies*. Telluride, CO. July 21-26, 2013.
51. “High-Resolution Stark Spectroscopy of OH Containing Complexes in Helium Nanodroplets” The 23rd *Colloquium on High-Resolution Molecular Spectroscopy*, Budapest, Hungary. August 25-30, 2013.
52. “High-Resolution Stark Spectroscopy of OH Containing Complexes in Helium Nanodroplets” *SASP XIX 2014*, Obergurgl, Austria. February 9-14, 2014.
53. *Frontiers of Spectroscopy* Lecture Series, Ohio State University, Columbus, OH. March 26-28, 2014.
54. “Helium Nanodroplet Isolation of Hydroxymethylene: The Formose Reaction at 0.4 K” Hot Topic talk: 2014 Gordon Research Conference on *Molecular and Ionic Clusters*. Lucca (Barga), Italy. April 27 to May 2, 2014.
55. “Molecular Radical Reactions and Carbene Chemistry at 0.4 Kelvin: High-Resolution Rovibrational Spectroscopy of Pre-Reactive Complexes and Transient Intermediates” *Reaction Mechanisms 2014*, UC-Davis, CA. June 22-25, 2014.
56. “Infrared Rovibrational Spectroscopy of OH-C₂H₂ in ⁴He Nanodroplets: Parity Splittings due to Partially Quenched Electronic Angular Momentum” Telluride Workshop on *Spectroscopy and Dynamics on Multiple Potential Energy Surfaces*. Telluride, CO. July 7-11, 2014.
57. “Dipole Moment of the HOOO Radical: Resolution of a Structural Enigma” *Journal of Physical Chemistry A. Lecture*. American Chemical Society National Meeting. San Francisco, CA. August 12, 2014.
58. “Molecular Radical Reactions and Carbene Chemistry at 0.4 Kelvin: High-Resolution Rovibrational Spectroscopy of Pre-Reactive Complexes and Transient Intermediates” Texas A&M University, College Station, TX. November 4, 2014.
59. “Laser Spectroscopy of Reactive Intermediates in Superfluid Helium Droplets” University of Auburn, Auburn, AL. January 29, 2015.
60. “Vibrational Spectroscopy of Transient Combustion Intermediates in Helium Nanodroplets” 35th Annual Combustion Research Meeting, U.S. Department of Energy Office of Basic Energy Sciences, Potomac, MD. May 29, 2015
61. “Chemical Reactions in Helium Droplets: Past Successes and Future Prospects” Xth international conference on *Quantum Fluid Clusters*. Toulouse, France. June 7-11, 2015.
62. Laser Spectroscopy of Radicals, Carbenes, and Ions in Superfluid Helium Droplets, *Coblentz Award Lecture*. 70th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 21-26, 2015.

63. “Stark and Zeeman Spectroscopy of Open Shell Molecular Complexes in Helium Nanodroplets” *Defining New Directions in Cold Chemical Physics* Workshop. JILA, Boulder, CO. July 8-10, 2015.
64. “Bimolecular Reactions in Helium Droplets” 25th *Dynamics of Molecular Collisions* Meeting. Asilomar, CA. July 12-17, 2015.
65. “Stark and Zeeman Spectroscopy of Open Shell Molecular Complexes in Helium Nanodroplets” 33rd *International Symposium on Free Radicals*. Olympic Valley, CA. August 2-7, 2015.
66. “Laser Spectroscopy of Reactive Intermediates in Superfluid Helium Droplets” University of Louisville, Louisville, KY. September 4, 2015.
67. “Helium Nanodroplet Isolation: Past, Present, and Future” Roger E. Miller Symposium. Chapel Hill, NC. October 22-23, 2015.
68. “Laser Spectroscopy of Reactive Intermediates in Superfluid Helium Droplets” University of California at Berkeley, Berkeley, CA. November 3, 2015.
69. “Laser Spectroscopy of Reactive Intermediates in Superfluid Helium Droplets” 2015 *Symposium on Chemical Physics* at the University of Waterloo. Waterloo, Ontario. November 6-8, 2015.
70. “Laser Spectroscopy of Radicals, Carbenes, and Ions in Superfluid Helium Droplets” *Recent Progress in Matrix Isolated Species*, 2015 Pacifichem. Honolulu, Hawaii. December 17-18, 2015.
71. “Laser Spectroscopy of Radicals, Carbenes, and Ions in Superfluid Helium Droplets” 2016 *Cold and Controlled Molecules and Ions* Symposium. Rehovot, Israel. March 13-17, 2016.
72. “Laser Spectroscopy of Reactive Intermediates in Superfluid Helium Droplets” University of California at San Diego, San Diego, CA. April 5, 2016.
73. “Stark and Zeeman Spectroscopy of Open Shell Molecular Complexes in Helium Nanodroplets” JILA, University of Colorado at Boulder, Boulder, CO. June 30, 2016.
74. “Infrared Spectroscopy of Reactive Intermediates in Helium Droplets” 2016 Gordon Research Conference on *Vibrational Spectroscopy*. University of New England, Biddeford, ME. July 17-22, 2016.
75. “Infrared Laser Spectroscopy of Propyl Radicals in Helium Droplets: the Quest for QOOH” Telluride Workshop on *Radicals in the Rockies*. Telluride, CO. August 1-5, 2016.

76. “Stark and Zeeman Spectroscopy of Open Shell Molecular Complexes in Helium Nanodroplets” *Department of Physics Colloquium*, University of Georgia. Athens, GA. September 1, 2016.
77. “Infrared Laser Spectroscopy of Peroxy Radicals in Helium Droplets” 2017 *Pacific Conference on Spectroscopy and Dynamics*. Asilomar, CA. January 19-22, 2017.
78. “Laser Spectroscopy of Reactive Intermediates in Superfluid Helium Droplets” University of California at Davis, Davis, CA. February 21, 2017.
79. “Formation of Exotic Networks of Water Clusters in Helium Droplets Facilitated by the Presence of Neon Atoms” 253rd ACS National Meeting. San Francisco, CA. April 2-6, 2017.
80. “New Insights into the Dynamics of Radical-Radical Reactions in Helium Droplets” XIth International Conference on *Quantum Fluid Clusters*. Obergurgl, Austria. June 7-9, 2017.
81. “New Insights into the Dynamics of Radical-Radical Reactions in Helium Droplets” *Controllable Quantum Impurities in Physics and Chemistry* (CoQIPC), Vienna, Austria. August 16-18, 2017.
82. Invited Tutorial Talk. *Spectroscopy of Radicals and Carbenes in Helium Droplets*. Spectroscopy and Dynamics Group Meeting. Durham, UK. January 8-9, 2018.
83. “Bimolecular Oxygen Atom Reactions in Helium Nanodroplets” SASP 2018, Obergurgl, Austria. February 11-16, 2018.
84. “O(³P) + Alkene Chemistry in Helium Nanodroplets” ACS National Meeting, New Orleans, LA. March 18-22, 2018.
85. “Spectroscopy of Water Clusters in Helium Droplets” Gordon Research Conference on *Molecular Interactions and Dynamics*, Stonehill College, Easton, MA. July 8-13, 2018.
86. “Sequential Capture of O(³P) and Alkenes by Helium Nanodroplets: Infrared Spectroscopy and Ab Initio Computations of the Triplet Biradical Intermediates” *International Symposium on Reactive Intermediates and Unusual Molecules*, ISRIUM, Ascona Switzerland. July 15-20, 2018.
87. Plenary Lecture “Spectroscopy of Molecular Radicals in Helium Droplets” 25th *International Conference on High Resolution Molecular Spectroscopy*, Bilbao, Spain. September 3-7, 2018.
88. “Sequential Capture of O(³P) and Alkenes by Helium Nanodroplets: Infrared Spectroscopy and Ab Initio Computations of the Triplet Biradical Intermediates”

- Southeastern Regional Meeting of the American Chemical Society*, Augusta, GA. November 2, 2018.
89. “Spectroscopy of Molecular Radicals in Helium Droplets” Kennesaw University, Atlanta, GA November 6, 2018.
 90. “Spectroscopy of Molecular Radicals in Helium Droplets” Aarhus University, Aarhus, Denmark. November 23, 2018.
 91. “Spectroscopy of Molecular Radicals in Helium Droplets” James Madison University, Harrisonburg, VA January 11, 2019.
 92. Invited Introductory Lecture “Infrared Spectroscopy of Alkyl Radicals in Helium Droplets and Solid para-Hydrogen” Conference on *Quantum Fluid Clusters*, QFC-2019, Bad Honnef, Germany, May 19-22, 2019.
 93. “Theoretical and Experimental Studies of Elementary Hydrocarbon Species and their Reactions” DOE Contractor’s Meeting, Washington, DC. May 30-June 1, 2019.
 94. “Infrared Spectroscopy of Alkyl Radicals in Helium Droplets and Solid para-Hydrogen” Telluride Workshop on *Radicals in the Rockies*. Telluride, CO. July 8-12, 2019.
 95. “Aggregation in Helium Droplets” 4th IRTG CoCo Summer School *Cold Molecules and their Interactions: Theoretical and Experimental Methods*. Kelowna, Canada. July 29 – August 3, 2019.
 96. “Infrared Spectroscopy of Alkyl Radicals in Helium Droplets and Solid para-Hydrogen” Allinger Lecture, Department of Chemistry, University of Georgia. August 20, 2019.
 97. “Infrared Spectroscopy of Alkyl Radicals in Helium Droplets and Solid para-Hydrogen” Hot Topic talk: 35th *International Symposium on Free Radicals*. Hangzhou, China. September 15-21, 2019.
 98. “Spectroscopy of Molecular Radicals and Ions in Helium Droplets” Gordon Research Conference: *Molecular and Ionic Clusters*. Ventura, CA. January 26-31, 2020.
 99. Cancelled or Rescheduled due to Covid-19: “Aggregation in Helium Droplets” Chemistry Department Seminar, College of William and Mary. Williamsburg, VA. March 27, 2020.
 100. Cancelled or Rescheduled due to Covid-19: 2020 Conference on *Chemistry and Physics at Low Temperatures*. Visegrad, Hungary. July 5-10, 2020.

101. Cancelled or Rescheduled due to Covid-19: “Zeeman Spectroscopy of OH and OH-C₂H₂ in Helium Droplets” Telluride Workshop on *Spectroscopy and Dynamics on Multiple Potential Surfaces*. Telluride, CO. July 14-18, 2020.
102. Cancelled or Rescheduled due to Covid-19: Pacifichem 2020, *Structure and function of complex molecular clusters – challenges in theory and experiment*. Honolulu, Hawaii, December 17-18, 2020.
103. “Aggregation in Helium Droplets” University of Central Florida, Orlando, FL November 05, 2021.
104. “Helium Droplet Isolation Infrared Spectroscopy of the Butyl Radicals” 36th *International Symposium on Free Radicals*. Stockholm, Sweden. July 3-8, 2022.
105. “Aggregation in Helium Droplets” University of Innsbruck, Austria, August 5, 2022.
106. “Aggregation in Helium Droplets” University of Florida, Gainesville, FL November 1, 2022.
107. “Helium Droplet Isolation Infrared Spectroscopy of the Butyl Radicals” *Spring 2023 American Chemical Society National Meeting*. Indianapolis, Indiana. March 27, 2023.
108. “A diatomic molecule in a superfluid helium droplet: Is the anomalous Zeeman splitting a signature of a microscopic Einstein - de Hass effect?” *Department of Physics Colloquium*. University of Colorado, Boulder, CO, USA. April 26, 2023.
109. “Helium Droplet Isolation Infrared Spectroscopy of the Butyl Radicals” *New Directions in Cold and Ultracold Chemistry*. Leiden, Netherlands. May 8-12, 2023.
110. “Aggregation in Helium Droplets” Washington State University, Pullman, WA, USA. January 6, 2026.
111. “Aggregation in Helium Droplets” University of Washington, Seattle, WA, USA. October 14, 2026.

Other Lectures and Contributed Papers

1. Douberly, G.E.; and Matsui, H. “Fabrication of protein tubules using a peptide tubule template” *Particles 2001*. Orlando, FL. February 24-27, 2001.

2. Douberly, G.E.; and Miller, R.E. "Isomers of hydrogen fluoride clusters (HF)_N (N=4-6) formed in helium nanodroplets" 57th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 17-21, 2002.
3. Douberly, G.E.; Merritt, J.M.; and Miller, R.E. "Infrared-Infrared double resonance spectroscopy of HCCCN solvated in superfluid helium droplets" 58th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-20, 2003.
4. Douberly, G.E.; Merritt, J.M.; and Miller, R.E. "Infrared-Infrared double resonance spectroscopy of HCN-HCCH in helium droplets: conformer switching via single mode excitation" 58th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-20, 2003.
5. Douberly, G.E.; Merritt, J.M.; and Miller, R.E. "IR-IR double resonance spectroscopy: isomerization dynamics of the linear HCN-HF and bent HF-HCN complexes embedded in helium nanodroplets" 59th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 21-25, 2004.
6. Merritt, J.M.; Douberly, G.E.; and Miller, R.E. "Photo-induced chemistry in liquid helium droplets" 228th ACS National Meeting, Philadelphia, PA, August 22-26, 2004.
7. Douberly, G.E.; Falconer, T.M.; and Miller, R.E. "Infrared laser spectroscopy of the HCN-Sodium complex embedded in a helium nanodroplet" 60th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 20-24, 2005.
8. Douberly, G.E.; and Miller, R.E. "Infrared laser spectroscopy of dopants in and on helium nanodroplets: rotational and vibrational dynamics" Gordon Research Conference: *Molecular and Ionic Clusters*. Ventura, CA. February 19-24, 2006.
9. Douberly, G.E.; and Miller, R.E. "The HCN-X (X=Na, K, Rb, Cs) complexes formed on the surface of helium nanodroplets" 61st Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 19-23, 2006.
10. Douberly, G.E.; and Miller, R.E. "The HCN-Ca and HCN-Sr complexes formed on the surface of helium nanodroplets: spectroscopic probes of solvation dynamics" 61st Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 19-23, 2006.
11. Douberly, G.E.; Ricks, A.M.; Ticknor, B.W.; and Duncan, M.A. "Infrared spectroscopy of protonated molecular clusters isolated in the gas phase" Gordon Research Conference: *Gaseous Ions: Structures, Energetics, and Reactions*. Ventura, CA. February 25- March 2, 2007.

12. Douberly, G.E.; Ticknor, B.W.; Ricks, A.M.; and Duncan, M.A “Infrared spectroscopy of size-selected protonated molecular clusters” 62nd Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 18-22, 2007.
13. Douberly, G.E.; Ticknor, B.W.; Ricks, A.M.; and Duncan, M.A “Infrared spectroscopy of $H^+(C_2H_2)_n$ -Ar and $H^+(C_2H_4)_n$ Ar ($n=1,2$)” 62nd Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 18-22, 2007.
14. Douberly, G.E.; Ricks, A.M.; Ticknor, B.W.; and Duncan, M.A “Infrared spectroscopy of size-selected carbocations isolated in the gas phase” 29th. International Symposium on Free Radicals. Big Sky, MT. August 12-17, 2007.
15. Douberly, G.E.; Ricks, A.M.; Ticknor, B.W.; and Duncan, M.A “Infrared spectroscopy of size-selected carbocations isolated in the gas phase” Southeast Regional Meeting of the American Chemical Society. Greenville, SC. October 27, 2007.
16. Merritt, J.M.; Douberly, G.E.; and Miller, R.E. “Photo-induced isomerization and chemical reaction dynamics in superfluid helium droplets” American Physical Society National Meeting. New Orleans, LA. March 10-14, 2008.
17. Douberly, G.E. “Alkaline earth metal atom complexes with HCN trapped on/in helium droplets: vibrational excitation induced solvation and desolvation” American Physical Society National Meeting. New Orleans, LA. March 10-14, 2008.
18. Douberly, G.E.; Ricks, A.M.; and Duncan, M.A. “Infrared spectroscopy of size-selected carbocations I.: $C_3H_3^+$, $C_3H_5^+$, and $C_4H_9^+$ ” 63rd Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-20, 2008.
19. Douberly, G.E.; Ricks, A.M.; and Duncan, M.A. “Infrared spectroscopy of size-selected carbocations II.: $C_6H_7^+$, $C_7H_7^+$, and $C_7H_9^+$ ” 63rd Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-20, 2008.
20. Ricks, A.M.; Douberly, G.E.; and Duncan, M.A. “Infrared spectroscopy of size-selected protonated molecular clusters: $(N_2)_nH^+$, $(CO)_nH^+$, and $((CH_3)_2CO)_nH^+$.” 63rd Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-20, 2008.
21. Douberly, G.E.; Ricks, A.M.; and Duncan, M.A. “Infrared spectroscopy of size-selected carbocations and protonated molecular clusters” Gordon Research Conference: *Molecular and Ionic Clusters*. Aussois, France. September 7-12, 2008.

22. Douberly, G.E. "Progress towards helium nanodroplet spectroscopy of reactive metal cluster systems" Air Force Office of Scientific Research, 2009 Molecular Dynamics Contractor's Meeting. San Diego, CA. May 17-19, 2009.
23. Morrison, A.; Douberly, G.E. "Helium nanodroplet spectroscopy using an external cavity quantum cascade laser" 64th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 22-26, 2009.
24. Ricks, A.M.; Douberly, G.E.; and Duncan, M.A "Infrared spectroscopy of size-selected protonated molecular clusters: $(\text{N}_2)_2\text{H}^+$, $(\text{CO})_2\text{H}^+$, and $(\text{O}_2)_2\text{H}^+$ " 64th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 22-26, 2009.
25. Douberly, G.E. "Spectroscopy of molecular clusters in 0.4 kelvin helium nanodroplets" XXI Dynamics of Molecular Collisions Meeting, Snowbird, UT. July 5-10, 2009.
26. Morrison, A.; Douberly, G.E. "Thermochemistry of small biomolecules in helium droplet nanoreactors" 238th ACS National Meeting, Washington, DC. August 16-20, 2009.
27. Morrison, A.M.; Flynn, S.D.; Liang, T.; Douberly, G.E. "Hydrocarbon radicals isolated in helium nanodroplets" 65th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 21-25, 2010.
28. Morrison, A.M.; Flynn, S.D.; Liang, T.; Douberly, G.E. "Stark spectroscopy of CH_3F solvated in helium nanodroplets" 65th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 21-25, 2010.
29. Flynn, S.D.; Morrison, A.M.; Liang, T.; Douberly, G.E. "Infrared laser spectroscopy of $(\text{HCl})_m\text{-(H}_2\text{O)}_n$ clusters in helium nanodroplets" 65th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 21-25, 2010.
30. Morrison, A.M.; Liang, T.; Flynn, S.D.; Douberly, G.E. "Spectroscopy and reactions of hydrocarbon radicals in helium nanodroplets" 2010 Molecular and Ionic Clusters Conference. Toukamachi, Niigata, Japan. September 5-10, 2010.
31. Morrison, A.M.; Flynn, S.D.; Liang, T.; Douberly, G.E. "Hydrocarbon radicals isolated in helium nanodroplets" 62nd Southeast Regional Meeting of the American Chemical Society (SERMACS) New Orleans, LA. December 1-4, 2010.
32. Flynn, S.D.; Morrison, A.M.; Liang, T.; Douberly, G.E. "Infrared laser spectroscopy of $(\text{HCl})_m\text{-(H}_2\text{O)}_n$ clusters in helium nanodroplets" 62nd Southeast Regional Meeting of the American Chemical Society (SERMACS) New Orleans, LA. December 1-4, 2010.

33. Liang, T.; Morrison, A.M.; Flynn, S.D.; Douberly, G.E. "Infrared laser spectroscopy and *ab initio* calculations of Al-(CO)_n clusters in helium nanodroplets" 62nd Southeast Regional Meeting of the American Chemical Society (SERMACS) New Orleans, LA. December 1-4, 2010.
34. Morrison, A.M.; Liang, T.; Flynn, S.D.; Douberly, G.E. "Spectroscopy and dynamics of non-equilibrium molecular clusters in helium nanodroplets" 482nd Heraeus Seminar: Helium Nanodroplets – Confinement for Cold Molecules and Cold Chemistry. Bad Honnef, Germany. May 29 to June 1, 2011.
35. Flynn, S.D.; Morrison, A.M.; Liang, T.; Douberly, G.E. "Non-cyclic isomers of (H₂O)₄ in helium nanodroplets: infrared spectroscopy and *ab initio* calculations" 66th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 20-24, 2011.
36. Liang, T.; Morrison, A.M.; Flynn, S.D.; Douberly, G.E. "Rovibrational spectroscopy of aluminum carbonyl clusters in helium nanodroplets" 66th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 20-24, 2011.
37. Morrison, A.M.; Douberly, G.E. "Experimental Thermochemistry of gas phase cytosine tautomers" 66th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 20-24, 2011.
38. Morrison, A.M.; Liang, T.; Douberly, G.E. "Automatic tuning of an Aculight optical parametric oscillator" 66th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 20-24, 2011.
39. Douberly, G.E. "Hydrocarbon Radical Reactions in Helium Nanodroplets" International Symposium on Free Radicals. Port Douglas, Australia. July 24-29, 2011.
40. Flynn, S.D.; Douberly, G.E. "Helium Nanodroplet Isolation of Ionic Liquid Vapor: Infrared Laser Spectroscopy of [EMIM][Tf₂N]" 67th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 17-22, 2012.
41. Raston, P.L.; Liang, T.; Flynn, S.D.; Morrison, A.M.; Douberly, G.E. "Infrared Spectroscopy of OH and OH-C₂H₂ embedded in Helium Nanodroplets" 67th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 17-22, 2012.
42. Morrison, A.M.; Douberly, G.E. "On the Outcome of the Reactions between Hydrocarbon radicals and O₂ in Helium Nanodroplets" 67th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 17-20, 2012.

43. Liang, T.; Raston, P.L.; Douberly, G.E. "Probing trans-HOOO/DOOO and HOOO-(O₂)_n Clusters: A HENDI Approach" 67th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 17-22, 2012.
44. Liang, T.; Raston, P.L.; Douberly, G.E. "Anomalous Λ -doubling in the infrared spectrum of the hydroxyl radical in helium nanodroplets" 68th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-21, 2013.
45. Liang, T.; Raston, P.L.; Douberly, G.E. "Helium nanodroplet isolation spectroscopy and ab initio calculations of HO₃-(O₂)_n clusters (n=0-4)" 68th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-21, 2013.
46. Raston, P.L.; Liang, T.; Obi, E.I.; Douberly, G.E. "Infrared spectroscopy and tunneling dynamics of the vinyl radical in ⁴He Nanodroplets" 68th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-21, 2013.
47. Raston, P.L.; Moradi, C.P.; Agarwal, J.; Turney, J.M.; Schaefer, III H.F.; Douberly, G.E. "The Ethyl radical in superfluid helium nanodroplets: rovibrational spectroscopy and ab initio computations" 68th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-21, 2013.
48. Obi, E.I.; Douberly, G.E. "Rovibrational spectroscopy of the OH-O₃ and C₂H₄-O₃ complexes in ⁴He nanodroplets" 68th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-21, 2013.
49. Moradi, C.P.; Douberly, G.E. "Spectroscopy of the CH₃-HCl complex in helium nanodroplets" 68th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH. June 16-21, 2013.
50. Liang, T.; Raston, P.L.; Douberly, G.E. "Helium Nanodroplet Isolation Spectroscopy and ab initio Computations of HO₃-(O₂)_n Clusters (n=0-4)" Dynamics of Molecular Collisions 2013. Granlibakken, CA. July 7-12, 2013.
51. Moradi, C.P.; Liang, T.; Raston, P.L.; Douberly, G.E. "Helium Nanodroplet Isolation Spectroscopy and Ab Initio Calculations of HO-(O₂)_n Clusters (n=0-5)" International Symposium on Free Radicals. Potsdam, Germany. July 21-26, 2013.
52. Moradi, C.P.; Liang, T.; Raston, P.L.; Douberly, G.E. "Hydrocarbon Radicals in Superfluid Helium Nanodroplets: Rovibrational Spectroscopy and Ab Initio Calculations" International Symposium on Free Radicals. Potsdam, Germany. July 21-26, 2013.

53. Leavitt, C.M.; Moradi, C.P.; Stanton, J.F.; Douberly, G.E. "Helium Nanodroplet Isolation and Rovibrational Spectroscopy of Hydroxymethylene" 69th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 16-20, 2014.
54. Liang T.; Raston P.L.; Douberly, G.E. "Infrared Laser Stark Spectroscopy and Ab Initio Computations of the OH-CO complex" 69th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 16-20, 2014.
55. Moradi, C.P.; Leavitt, C.M.; Acrey, B.W.; Douberly, G.E. "Infrared Laser Spectroscopy of the Helium-Solvated Allyl and Allyl Peroxy Radicals" 69th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 16-20, 2014.
56. Leavitt, C.M.; Raston, P.L.; Moody, G.; Shirley, C.; Douberly, G.E. "Vibrational Spectroscopy and Gas-Phase Thermochemistry of the Model Dipeptide N-Acetyl Glycine Methyl Amide" 69th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 16-20, 2014.
57. Douberly, G.E.; Moradi, C.P. "On the Stark Effect in Open Shell Complexes Exhibiting Partially Quenched Electronic Angular Momentum" 70th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 21-26, 2015.
58. Brice, J.T.; Leavitt, C.M.; Moradi, C.P.; Douberly, G.E.; Hernandez, F.J.; Pino, G.A. "Infrared Laser Spectroscopy and ab initio Computations of OH-(D₂O)_N Complexes in Helium Nanodroplets" 70th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 21-26, 2015.
59. Moradi, C.P.; Broderick, B.M.; Agarwal, J.; Schaefer, H.F.; Douberly, G.E. "Vibrational-Torsional Coupling Revealed in the Infrared Spectrum of He-Solvated n-Propyl Radical" 70th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 21-26, 2015.
60. Leavitt, C.M.; Brice, J.T.; Douberly, G.E.; Hernandez, F.J.; Pino, G.A. "Infrared Laser Stark Spectroscopy of the OH-CH₃OH Complex Isolated in Superfluid Helium Droplets" 70th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 21-26, 2015.
61. Broderick, B.M.; Moradi, C.P.; Douberly, G.E.; McCaslin, L.; Stanton, J.F. "Reactive Intermediates in ⁴He Nanodroplets: Infrared Laser Stark Spectroscopy of Dihydroxycarbene" 70th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 21-26, 2015.
62. Moradi, C.P.; Douberly, G.E. "Infrared Laser Stark Spectroscopy of the Pre-reactive Cl-HCl Complex Formed in Superfluid ⁴He Droplets" 70th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 21-26, 2015.

63. Kaufmann, M.; Broderick, B.M.; Douberly, G.E. "Helium Nanodroplet Infrared Spectroscopy of the Tropylium Radical" 70th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 21-26, 2015.
64. Broderick, B.M.; Moradi, C.P.; McCaslin, L.; Stanton, J.F.; Douberly, G.E. "Reactive Intermediates in ⁴He Nanodroplets: Infrared Laser Stark Spectroscopy of Dihydroxycarbene" 33rd International Symposium on Free Radicals. Olympic Valley, CA. August 2-7, 2015.
65. Brice, J.T.; Leavitt, C.M.; Moradi, C.P.; Hernandez, F.J.; Pino, G.A.; Douberly, G.E. "Infrared Laser Spectroscopy and Ab Initio Computations of OH(D₂O)_N Complexes in Helium Nanodroplets" 33rd International Symposium on Free Radicals. Olympic Valley, CA. August 2-7, 2015.
66. Brice, J.T.; Douberly, G.E. "Mid-infrared signatures of hydroxyl containing water clusters: Infrared laser spectroscopy of OH-H₂O and OH(D₂O)_n (n=1-3)" The 67th Southeastern and 71st Southwest Regional Meeting of the American Chemical Society. Memphis, TN. November 4-7, 2015.
67. Douberly, G.E. "On the Stark effect in open shell complexes exhibiting partially quenched electronic angular momentum" *Developments in Spectroscopic Investigation of Intermolecular Interactions and Dynamics of Molecular Clusters*; 2015 Pacifichem, Honolulu, Hawaii. December 15-16, 2015.
68. Douberly, G.E. "Infrared laser spectroscopy and ab initio computations of OH-(D₂O)_N complexes in helium nanodroplets" *Quantum Fluid Clusters*; 2015 Pacifichem, Honolulu, Hawaii. December 19-20, 2015.
69. Brown, A.R.; Broderick, B.M.; Leavitt, C.M.; Moradi, C.P.; Douberly, G.E.; McCaslin, L.; Stanton, J.F. "Reactive Intermediates in He Nanodroplets: Infrared Laser Stark Spectroscopy of Hydroxymethylene, Dihydroxycarbene, and Hydroxymethoxycarbene" Gordon Research Conference on *Molecular and Ionic Clusters*. Ventura, CA. January 17-22, 2016.
70. Brice, J.T.; Moradi, C.P.; Douberly, G.E. "On the Stark and Zeeman Effects in Open Shell Complexes Exhibiting Partially Quenched Electronic Angular Momentum: Infrared Laser Spectroscopy of OH-C₂H₂" Gordon Research Conference on *Molecular and Ionic Clusters*. Ventura, CA. January 17-22, 2016.
71. Franke, P.; Brice, J.T.; Leavitt, C.M.; Hernandez, F.J.; Pino, G.A.; Douberly, G.E. "Infrared Spectroscopy of OH·CH₃OH: Hydrogen-Bonded Intermediate Along the Hydrogen Abstraction Reaction Path" Gordon Research Conference on *Molecular and Ionic Clusters*. Ventura, CA. January 17-22, 2016.
72. Pullen, G.T.; Moradi, C.P.; Douberly, G.E.; Sibert, E.L. "Infrared Laser Spectroscopy of the *n*-propyl and *i*-propyl Radicals in Helium Droplets: Significant Bend-Stretch Coupling Revealed in the CH stretch Region" Gordon

Research Conference on *Molecular and Ionic Clusters*. Ventura, CA. January 17-22, 2016.

73. Moradi, C.P.; Douberly, G.E.; Tabor, D.P.; Sibert, E. "Infrared Laser Spectroscopy of the *n*-propyl and *i*-propyl Radicals in Helium Droplets: Significant Bend-Stretch Coupling Revealed in the CH stretch Region" 71st International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 20-24, 2016.
74. Brown, A.R.; Brice, J.T.; Douberly, G.E. "Infrared Spectrum of Fulvenallene and Fulvenallenyl" 71st International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 20-24, 2016.
75. Franke, P.R.; Moradi, C.P.; Kaufmann, M.; Xie, C.; Guo, H.; Douberly, G.E. "Two-center Three-electron Bonding in ClNH₃ revealed via Helium Droplet Infrared Spectroscopy: Entrance Channel Complex along the Cl + NH₃ → ClNH₂ + H Reaction" 71st International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 20-24, 2016.
76. Douberly, G.E. "Infrared Zeeman Spectroscopy of Radicals in Helium Droplets" 32nd Symposium on Chemical Physics. University of Waterloo, Waterloo, Ontario, Canada. November 4-6, 2016.
77. Franke, P.R.; Tabor, D.; Moradi, C.P.; Douberly, G.E.; Agarwal, J.; Schaefer, H.F.; Sibert, E.L. "Infrared Laser Spectroscopy of the *n*-propyl and *i*-propyl Radicals: Stretch-Bend Fermi Coupling in the Alkyl CH Stretch Region" 2017 *Pacific Conference on Spectroscopy and Dynamics*. Asilomar, CA. January 19-22, 2017.
78. Pullen, G.T.; Franke, P.R.; Douberly, G.E.; Lee, Y.P. "Infrared Spectra of the *n*-propyl and *i*-propyl Radicals in Solid Para-Hydrogen" 72nd International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 19-23, 2017.
79. Brown, A.R.; Franke, P.R.; Douberly, G.E. "Infrared Spectrum of the Cyclobutyl Radical in He Droplets" 72nd International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 19-23, 2017.
80. Franke, P.R.; Douberly, G.E. "The O₂ + Ethyl Reaction in Helium Nanodroplets: Infrared Spectroscopy of the Ethyl Peroxy Radical" 72nd International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 19-23, 2017.
81. Bunn, H.; Raston, P.; Douberly, G.E. "Laser Spectroscopy of Vinyl Alcohol Embedded in Helium Droplets" 72nd International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 19-23, 2017.

82. Brice, J.T.; Douberly, G.E. "O(³P) Doped Helium Droplets" 72nd International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 19-23, 2017.
83. Brown, A.R.; Franke, P.R.; Douberly, G.E. "Infrared Spectrum and Ring-opening Pathway of the Cyclobutyl Radical" 34th International Symposium on Free Radicals. Hayama, Japan. August 27 – September 1, 2017.
84. Franke, P.R.; Douberly, G.E. "The Ethyl + O₂ Reaction in Helium Nanodroplets: Infrared Spectroscopy of the Ethyl Peroxy Radical" Gordon Research Conference on *Molecular and Ionic Clusters*. Barga, Italy. February 25 – March 2, 2018.
85. Brown, A.R.; Franke, P.R.; Douberly, G.E. "Infrared Spectrum and Ring-opening Pathway of the Cyclobutyl Radical" 3rd Conference on Cold and Controlled Molecules and Ions. Athens, GA. March 25-29, 2018.
86. Daniel Leicht , Gary E. Douberly , Masashi Tsuge , Daniel T. Mauney, J. Philipp Wagner, David C. McDonald II, Yuan-Pern Lee, Michael A. Duncan "Infrared Laser Spectroscopy of the Mass-selected Protonated CO Dimer" 3rd Conference on Cold and Controlled Molecules and Ions. Athens, GA. March 25-29, 2018.
87. Gregory T. Pullen, Peter R. Franke, Gary E. Douberly, Yuan-Pern Lee "Infrared Spectra of Propene in Helium Nanodroplets and Solid *para*-Hydrogen Matrices" 3rd Conference on Cold and Controlled Molecules and Ions. Athens, GA. March 25-29, 2018.
88. Franke, P.R.; Douberly, G.E. "The Ethyl + O₂ Reaction in Helium Nanodroplets: Infrared Spectroscopy of the Ethyl Peroxy Radical" 3rd Conference on Cold and Controlled Molecules and Ions. Athens, GA. March 25-29, 2018.
89. Pullen, G.T.; Franke, P.R.; Douberly, G.E.; Lee, Y.P. "Infrared Spectra of Propene in Helium Nanodroplets and Solid *para*-Hydrogen" 73rd International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 18-22, 2018.
90. Brown, A.R.; Brice, J.T.; Franke, P.R.; Douberly, G.E. "An Updated Look at the Infrared Spectrum of Fulvenallene and Fulvenallenyl" 73rd International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 18-22, 2018.
91. Franke, P.R.; Douberly, G.E. "Rotamers of Isoprene: Infrared Spectroscopy in Helium Droplets and Ab Initio Thermochemistry" 73rd International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 18-22, 2018.
92. Douberly, G.E. "Anomalous Zeeman Splitting in the Rovibrational Spectrum of the OH Radical Solvated in Superfluid Helium, Or: How I Learned to Stop

- Worrying and Love the Proverbial Droplet Effects” 74th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 17-21, 2019.
93. Franke, P.R.; Duncan, M.A.; Douberly, G.E. “Infrared Photodissociation Spectroscopy and Multireference Anharmonic Vibrational Study of the HO₄⁺ Molecular Cation” 74th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 17-21, 2019.
 94. Pullen, G.T.; Douberly, G.E.; Haupa, K.A.; Lee, Y.-P. “Tunneling Reactions of Hydrogen Addition to Propene in a Solid Para-Hydrogen Matrix” 74th International Symposium on Molecular Spectroscopy. Champaign-Urbana, IL. June 17-21, 2019.
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(Google Scholar: h-index=34, i10-index=71, Citations=3547, 3/24/2026.
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 90. Begley, J.M.; Aroeira, G.J.R.; Turney, J.M.; Douberly, G.E.; Schaefer, H.F. “Enthalpies of formation for Criegee intermediates: A correlation energy convergence study”, *Journal of Chemical Physics*, (2023), 158, 034302. DOI: 10.1063/5.0127588
 91. Goodlett, S.M.; Turney, J.M.; Douberly, G.E.; Schaefer, H.F. “The noncovalent interaction between water and the ^3P ground state of the oxygen atom”, *Molecular Physics*, (2023), 121, e2086934. DOI: 10.1080/00268976.2022.2086934
 92. Tang, C.L.; Heide, A.G.; Heide, A.D.; Douberly, G.E.; Schaefer, H.F. “Exploring the Tl_2H_2 potential energy surface: a comparative analysis with group 13 systems and experiment”, *Journal of Computational Chemistry*, (2024), 45, 985-994. DOI: 10.1002/jcc.27293
 93. Poncelet, E.J.; Mull, H.F.; Abate, Y.; Robinson, G.H.; Douberly, G.E.; Schaefer, H.F. “A wealth of structures for the Ge_2H_2^+ radical cation: comparison of theory and experiment”, *Physical Chemistry Chemical Physics*, (2024), 26, 12444-12452. DOI: 10.1039/D3CP06098E
 94. Givhan, R.H.; Goodlett, S.M.; Douberly, G.E.; Turney, J.M.; Schaefer, H.F. “ Pb_2H_2^+ : convergent quantum mechanical study of seven lead hydride cation structures. Toward laboratory identification”, *Molecular Physics*, (2024), e2307497. DOI: 10.1080/00268976.2024.2307497

95. Raston, P.L.; Douberly, G.E. “Infrared laser Stark spectroscopy of methyl fluoride in ^4He nanodroplets”, *ChemPhysChem*, (2024), e202400224. DOI: 10.1002/cphc.202400224
96. Beck, I.T.; Lahm, M.E.; Douberly, G.E.; Schaefer, H.F. “Convergent ab initio analysis of the multi-channel $\text{HOBr} + \text{H}$ reaction”, *Journal of Chemical Physics*, (2024), 160, 124304. DOI: 10.1063/5.0200276
97. Chan, Y.-C.; Douberly, G.E.; Nesbitt, D.J. “Novel optical parametric oscillator design for high-power, high-resolution, frequency-stable, cw infrared spectroscopic applications” *Journal of Physical Chemistry A*, (2025), 129, 44, 10276–10285. DOI: 10.1021/acs.jpca.5c05967

Book Chapters

1. Douberly, G.E. (2022). Infrared Spectroscopy of Molecular Radicals and Carbenes in Helium Droplets. In: Slenczka, A., Toennies, J.P. (eds) *Molecules in Superfluid Helium Nanodroplets*. Topics in Applied Physics, vol 145. Springer, Cham. https://doi.org/10.1007/978-3-030-94896-2_4

Teaching Activities

Courses Taught:

Fall 2001	CHM 10L	General Chemistry Laboratory (UNC)
Spring 2002	CHM 11L	General Chemistry Laboratory (UNC)
Fall 2008	CHEM 3110 CHEM 8140	Fundamentals of Physical Chemistry Physical Chemistry Seminar
Fall 2009	CHEM 3110	Fundamentals of Physical Chemistry
Spring 2010	CHEM 3512L CHEM 8140	Experimental Methods Laboratory II Physical Chemistry Seminar
Fall 2010	CHEM 3110	Fundamentals of Physical Chemistry
Spring 2011	CHEM 3512L CHEM 8140	Experimental Methods Laboratory II Physical Chemistry Seminar
Fall 2011	CHEM 3110	Fundamentals of Physical Chemistry

Spring 2012	CHEM 8960	Molecular Spectroscopy
Fall 2012	CHEM 3110 CHEM 8140	Fundamentals of Physical Chemistry Physical Chemistry Seminar
Fall 2013	CHEM 3511	Experimental Methods Lab I
Spring 2014	CHEM 8960	Molecular Spectroscopy
Summer 2014	CHEM 3511	Experimental Methods Lab I
Fall 2014	CHEM 3110	Fundamentals of Physical Chemistry
Spring 2015	CHEM 8210	Chemical Applications of Group Theory
Fall 2015	CHEM 3110	Fundamentals of Physical Chemistry
Spring 2016	CHEM 8960	Molecular Spectroscopy
Fall 2016	CHEM 3110 CHEM 4000L	Fundamentals of Physical Chemistry Chemistry Internship
Spring 2017	CHEM 8960	Molecular Spectroscopy
Fall 2017	CHEM 3110	Fundamentals of Physical Chemistry
Spring 2018	CHEM 8960	Molecular Spectroscopy
Fall 2018	CHEM 8920	Thermodynamics and Statistical Mechanics
Fall 2019	CHEM 1212	Freshman Chemistry II
Spring 2020	CHEM 8960	Molecular Spectroscopy
Fall 2020	CHEM 8210	Chem. Apps. of Group Theory (w/ R. Scott)
Spring 2021	CHEM 1312H	Honors Freshman Chemistry II
Fall 2021	CHEM 8920 CHEM 3511 CHEM 8140	Thermodynamics and Statistical Mechanics Experimental Methods Laboratory I Physical Chemistry Seminar
Spring 2022	CHEM 8960 CHEM 8140	Molecular Spectroscopy Physical Chemistry Seminar

Fall 2023	CHEM 8920	Thermodynamics and Statistical Mechanics
Fall 2024	CHEM 3110	Fundamentals of Physical Chemistry
Fall 2025	CHEM 3110	Fundamentals of Physical Chemistry
Spring 2026	CHEM 3512L	Experimental Methods Laboratory II (w/ M.A. Duncan)

Postdoctoral Fellows Supervised as Major Professor:

Paul L. Raston (Ph.D. David Anderson, University of Wyoming), 2011-2013. Current Position: Associate Professor, University of Hawaii at Manoa, HI, USA.

Christopher M. Leavitt (Ph.D. Mark Johnson, Yale University), 2013-2014. Current Position: Intel, Portland, OR, USA.

Bernadette Broderick (Ph.D. Arthur Suits, Wayne State University), 2014-2015. Current Position: Assistant Professor, University of Missouri, Columbia, MO, USA.

Graduate Students Supervised as Major Professor:

Alexander M. Morrison, M.S., 2008-2012
Steven D. Flynn, M.S., 2009-2013
Caitlyne C. Shirley, M.S., 2011-2014
Tao Liang, Ph.D., 2009-2014
Emmanuel I. Obi, M.S., 2011-2014
Bradley Acrey, M.S., 2011-2014
Christopher P. Moradi, Ph.D., 2011-2016
Joseph T. Brice, Ph.D., 2013-2019
Alaina R. Brown, Ph.D., 2014-2019
Peter R. Franke, Ph.D., 2014-2020
Gregory T. Pullen, Ph.D., 2015-2020
Travis Jones, M.S., 2016-2021
Kale King, PhD, 2016-2022
Ronald Bercaw, PhD, 2018-2025
Sachin Nambiar, present graduate student, 2020-

Undergraduate Students Supervised in Research:

Sean Marrache (University of Georgia), spring 2009.
Chris Moradi (University of Georgia), summer, fall 2010.
Amanda Westbrook (University of Georgia), summer, fall 2010.
Trey Gunter (University of Georgia), summer, fall 2010.
Parsa Shokoohi (University of Georgia), fall 2010.
Bradley Acrey (University of Georgia), spring 2011.
Emmanuel Obi (University of Georgia), summer 2011.
Grant Moody (University of Georgia), spring 2012-spring 2013. (Honors Thesis)
Chris Harrington (University of Georgia), spring 2012.
Rodrigo Tapia (University of Georgia), fall 2013-spring 2014.
Joseph Tyberg (University of Georgia), fall 2013-fall 2014.
Evan Brakefield (University of Georgia), spring 2014-fall 2014.
Ali Mohammadzadeh (University of Georgia), spring 2014-fall 2014.
Dylan Duggins (University of Georgia), spring-summer 2016.
Brittany Minnick (University of Georgia), summer 2017.
Ty Faulkner (James Madison University), summer 2016, 2017.
Rebekah Soliday (James Madison University), summer 2018.
William White (Georgia Institute of Technology), summer 2018.
Caitlin Bellora (University of Georgia), summer 2018 to spring 2019.
Rashi Bhatnagar (University of Georgia), fall 2020.

High School Students Supervised in Research:

William White, Clarke-Central High School, Athens, GA. Summer 2016

Visiting Graduate Students Supervised in Research:

Federico J. Hernandez (June 21 to October 1, 2014): Instituto de Investigaciones en Físico-Química de Córdoba, Argentina

Matin Kauffman (April 1 to July 1, 2015): Ruhr Universität Bochum, Germany

Other Teaching Activities:

Graduate Faculty, 2008-present.

Coordinator: Summer Undergraduate Research Opportunities (SURO), 2012-2017

UGA Center for Teaching and Learning Fellows for Innovative Teaching, 2015-2016

Graduate Student Advisory Committees:

David Osborne, 2009-2013.

Heather Jaeger, 2009-2010.

Frank Pickard, 2009-2011.

Biswajit Bandyopadhyay, 2009-2012.

Chris Stoudemayer, 2009-2010.

Bryson Dye, 2009-2012.

Beulah Narendrapurapu, 2009-2013.

Bryan Perdue, 2009-2013.

Ali Saddiqi, 2009-2014.	Alexander Sokolov, 2010-2014.
Pierre Negri, 2009-2012.	Justin O'Toole, 2011-2012.
Antonio Braithwaite, 2009-2013.	Jonathan Mosely, 2009-2014.
Brandon Magers, 2014	Kimberly Schuldt, 2011-2014.
Wayne Mullinax, 2012-2016.	Kaushik Jagannathan, 2011-2015.
Jonathan Maner, 2011-2017.	Yudong Qiu, 2011-2015.
Kimberly Reishus, 2010-2014	Walter Turner, 2013-2017.
Al Fischer, 2013-2018.	Andreas Copan, 2014-2018.
Andrew Launder, 2014-2017.	Xiao Wang, 2014-2018.
Chenyang Li, 2014-2015.	Marissa Estep, 2015-2018.
Preston Hoobler, 2015-2018.	Kevin Murphy, 2015-2018.
Scott Akin, 2015-2016.	Jonathon Vandezande, 2013-2017.
Kevin Moore, 2013-2018.	Elizabeth Day, 2014-2018.
Timothy Ward, 2014-2018.	Boyi Zhang, 2016-2021.
David McDonald, 2014-2018.	Whitney James Morgan, 2016-2019.
Austen Scruggs, 2014-2021.	Xiangji Liu, 2013-2019.
Marcus Bartlett, 2013-2019.	Bryan Soto, 2014-2019.
Brandon Rittgers, 2015-2022.	Michael Pogash, 2015-2020.
Adam Abbott, 2016-2021.	Jared Weidman, 2016-2020.
Joshua Marks, 2016-2021	Mitchell Lahm, 2017-2021.
Jonathon Misiewicz, 2018-2020.	Kayla Warren, 2017-2022.
Michael Bowman, 2017-2020.	Jason Colley, 2017-2024.
Matthew Davis, 2018-2020.	Ramesh Basnet, 2017-2022.
Mark Wolf, 2018-2021.	Zachary McQueen, 2018-2024.
Anna Doner, 2018-2023.	Gustavo Ribeiro Aroeira, 2018-2022
Laura Olive, 2022-2025	Ian Beck, 2022-2025
Todd Eliason, 2022-2025	Ashley Allen, 2025-present
John C. Blais, 2024-present	Nathan Dynak, 2024-present

External Committee Member: James D. Pickering, Ph.D. "Alignment and Imaging of Molecular Complexes Embedded in Helium Nanodroplets". Aarhus University. November 23, 2018.

Departmental and University Service

University of Georgia

Physical Sciences Journal Committee, Fall 2008.
 DoC Graduate Admissions Committee, Fall 2009-Spring 2013.
 Addressing Misconceptions in Chemistry Learning Community, 2009-2012.
 Peach State Louis Stokes Alliance for Minority Participation (PSLAMP), 2009-2012.
 DoC Undergraduate Advisor, Spring 2010-2018.
 DoC Undergraduate Advising Committee, 2010-2019.
 DoC IT professional associate hiring committee, October 2011.
 DoC Undergraduate Curriculum Committee (Chair), 2012-2019.
 DoC Undergraduate Coordinator, May 2013-2019.

DoC Website Development Committee, September 2014.
DoC Graduate Admissions Committee, Fall 2014-Spring 2018.
DoC Post-Tenure Review Committee (Henry Schaefer), Spring 2015.
OVPR-Faculty Research Grants Review Committee, March 2016.
DoC Post-Tenure Review Committee (Richard Morrison), Spring 2016.
DoC Post-Tenure Review Committee (Robert Phillips), Spring 2016.
DoC Post-Tenure Review Committee (Vladimir Popik), Spring 2017.
OVPR-Faculty Research Grants Review Committee, March 2017.
DoC Graduate Admissions Committee (co-Chair), Fall 2018-Spring 2019.
DoC Post-Tenure Review Committee (Jon Amster), Spring 2019.
DoC Graduate Coordinator Assistant, hiring committee, Spring 2019.
Building Steering Committee, interdisciplinary STEM buildings, Spring 2019-2022
DoC Head, Fall 2019-2022.
DoC Sr. Accountant, hiring committee, Fall 2019.
DoC Fiscal Affairs Manager, hiring committee, Fall 2019.
NSF DeLTA project (Paula Lemons PI), Leadership Action Team, Fall 2019-2022.
Assoc. Dean, Franklin College of Arts and Sciences, Fall 2022-Spring 2026
Building Steering Committee, Science Hill Modernization phases 1-4, Fall 2022-Spring 2026
Georgia Museum of Natural History, Steering Committee and Working Group Leader, Fall 2023-Spring 2026.
DoC External Head, hiring committee, Spring 2025
DoC interim-Head, May 2025-November 2025.
DoC Assistant Professor in Computational Chemistry, hiring committee chair, Fall 2025-Spring 2026
DoC Post-Tenure Review Committee (Jeffrey Urbauer), Spring 2026.
DoC Post-Tenure Review Committee (Steven Wheeler), Spring 2026.

Washington State University
DoC Chair, June 2026-present

*DoC = Department of Chemistry