

KARL A. HAUSHALTER, PH.D.

Chair of Chemistry and Professor of Chemistry and Biology
Harvey Mudd College

ACADEMIC LEADERSHIP POSITIONS

Harvey Mudd College

Chair, Department of Chemistry, 2020-present

- Responsible for oversight of the department: 12 tenure-track faculty, 2 visiting faculty, 4 staff, 2 degree programs, ~40-50 majors, \$300K annual budget
- Serve on the Department Chairs Committee, the advisory board for the Dean of Faculty
- Launched the Chem Chair Student Advisory Committee to increase student involvement
- Recruited 4 new faculty to the department (3 in 2021, 1 in 2022)
- Led a successful reaccreditation of the department through the American Chemical Society
- Preparing to launch a new joint major program in Chemistry and Climate
- Participated in raising >\$180K in donations to support the department

Associate Dean of Research and Experiential Learning, 2014-2017

- Oversaw the HMC summer research program: ~180 students, ~50 faculty, all departments
- Partnered with the new HMC Office of Community Engagement to create faculty workshops, a faculty fellows program, and an annual celebration of the community engagement
- Provided Responsible Conduct of Research training to students and faculty; updated the Research Misconduct Policy and shepherded the new policy through the faculty governance approval process
- Chaired the faculty research committee which awards internal research grants to faculty
- Served as the liaison with external grant writing consultants to facilitate grant applications
- Partnered with the Director of Institutional Research to make assessment data from the summer research program more useful and more accessible to faculty
- Collaborated with College Advancement to raise >\$650K to support experiential learning

ACADEMIC APPOINTMENTS

Harvey Mudd College

Seely Wintersmith Mudd Professor of Chemistry and Biology	2023-present
Professor of Chemistry and Biology	2020-
Associate Professor of Chemistry and Biology	2009-2020
Iris and Howard Critchell Assistant Professor of Chemistry and Biology	2007-2009
Assistant Professor of Chemistry and Biology	2003-2007

City of Hope National Medical Center

Department of Molecular and Cellular Biology

Visiting Investigator	2010, 2017-2018
Adjunct Associate Research Professor	2011-2017

RESEARCH INTERESTS

Biochemistry of protein and nucleic acid interactions including DNA repair and RNA interference pathways. Scientific and social perspectives on the HIV-AIDS epidemic. Teaching pedagogy in molecular life sciences.

EDUCATION

Damon Runyon Cancer Research Fund Postdoctoral Fellowship 2001-2003
University of California San Diego

Advisor: Professor James T. Kadonaga

Biochemical and biophysical studies of the dynamics of chromatin assembly.

Ph.D. in Chemistry 1996-2001
Harvard University

Advisor: Professor Gregory L. Verdine

Isolated and characterized novel DNA repair enzymes. Mechanistic studies of DNA repair enzymes using kinetic analysis and atomic force microscopy.

B.A. in Chemistry, Summa Cum Laude 1992-1996
Rice University

Undergraduate Research Advisor: Professor Lon J. Wilson

Measured self-exchange electron-transfer kinetics for cupro-protein models.

Undergraduate Researcher Summers
California Institute of Technology 1993-1995

Advisor: Professor John D. Roberts

Used NMR spectroscopy to investigate the influence of hydrogen bonding on the rates of rotation about the amide bond in ureas.

COURSES TAUGHT

Bio 182/Chem 182, Chemistry of Living Systems (Biochemistry)

Bio 184/Chem 184, Methods in Biochemistry Laboratory

Bio 187/Chem 187/STS 187, HIV-AIDS: Science, Society and Service

Bio 189/Chem 189, Topics in Biochemistry and Molecular Biology

Bio 198, Directed Reading on HIV-AIDS

Chem 19, General Chemistry Intensive

Chem 21, General Chemistry

Chem 23A, Chemistry in the Modern World

Chem 23E, General Chemistry: Energetics

Chem 23S, General Chemistry: Structure

Chem 24, General Chemistry Laboratory

Chem 25, General Chemistry Laboratory

Chem 40, Research Experiences in Chemistry

Chem 56, Carbon Compounds

Chem 58, Carbon Compounds Laboratory

Chem 105, Organic Chemistry

Chem 111, Organic Chemistry Laboratory

RESEARCH STUDENT MENTORING

64 students mentored (51 HMC students/13 non-HMC students)

30 senior theses supervised

EXTERNAL GRANTS

- National Science Foundation Research Experience for Undergraduates* 2010-2014
Expanding Chemistry Research Opportunities for Undergraduates at Harvey Mudd College
\$225,279
- National Science Foundation Research at Undergraduate Institutions* 2006-2009
DNA Glycosylase Initiated Repair of Damaged Nucleosomes
\$289,110
- Merck/AAAS Undergraduate Science Research Program* 2005-2007
Served as the PI for this grant awarded to the chemistry and biology departments in support of our summer undergraduate research program in chemical biology
\$60,000
- Research Corporation Cottrell College Science Award* 2003-2005
The influence of chromatin structure on the repair of 8-oxoguanine DNA lesions
\$34,976
- Camille & Henry Dreyfus Faculty Start-up Grant for Undergraduate Institutions* 2003-2007
The influence of chromatin structure on the repair of aberrant bases by DNA glycosylases
\$20,000

INTERNAL GRANTS

- Center for Teaching and Learning Course Activity Grant* 2018
An Inside-Out Approach to Teaching the HIV-AIDS Course
\$2,500
- Brian Butler '89 Faculty Enhancement Fund* 2018
Role of Rad52 in the repair of DNA double-strand breaks
\$6,000
- Sherman Fairchild Foundation Award for Summer Undergraduate Research* 2012, 2013
Inhibiting the CCR5 HIV co-receptor with an optimized tRNA-shRNA chimera
\$6,500
- Baker Foundation Award for Summer Undergraduate Research* 2011
Inhibiting the CCR5 HIV co-receptor with an optimized tRNA-shRNA chimera
\$6,000
- Mellon Career Enhancement New Venture Award* 2009-2010
Supplement for sabbatical scholarship including travel and course work related to global health, HIV-AIDS, and the role of faith-based organizations in societies' response to AIDS.
\$8,000
- HMC 2020 Strategic Vision Fund* 2007-2008
Development of the new integrative experiences course "HIV-AIDS: Science, Society and Service" and seed funding for an international collaboration with TASO Uganda.
\$5,000

FELLOWSHIPS AND AWARDS

Claremont Faculty Leadership Program Fellow	2022-2023
Outstanding Faculty Mentor, Harvey Mudd College Leadership Awards	2014
Merck-AAAS Undergraduate Science Research Program Travel Award	2007
Damon Runyon Cancer Research Fund Postdoctoral Fellowship	2001-2003
American Chemical Society Organic Division Graduate Research Fellowship	1999-2000
National Science Foundation Graduate Research Fellowship	1996-1999
Derek Bok Center Certificate for Teaching Excellence	1996, 97, 98
Nominee for the Levenson Outstanding Teaching Fellow Award	1997
Zevi and Bertha Salburg Memorial Award for Chemistry Excellence	1996
Sallyport Award for Most Distinguished Service for Rice University	1996
Hubert E. Bray Scholar-Athlete of the Year for Rice University	1995, 1996
GTE/CoSIDA Academic All-American Scholar Athlete, 2 nd Team At-Large	1995

COLLEGE AND DEPARTMENT SERVICE

Department Chairs Committee	2020-present
Assessment and Accreditation Committee, Chair	2018-2020
WSCUC Accreditation Reaffirmation Steering Committee	2018-2020
Pre-Health Coordinator	2018-present
Dean of Faculty Search Committee	2016
7C's Community Engagement Office Network	2015-2017
Research Committee, Chair	2014-2017
Campaign Priorities Committee	2014-2017
Advancement Advisory Committee	2013-2017
Office of Community Engagement faculty advocate	2012-present
Faculty Executive Committee	2012-2014
Fellowships Committee, Napier Fellowship	2012-2014
Napier Initiative Joint Advisory Group	2011-present
Aero's Scholars Selection Committee	2011-present
HMC-CGU Joint Institutional Review Board	2010-2012
Strategic Vision Diversity Subcommittee for Faculty Hiring	2007-2008
Campus Life Committee	2007-2008
Multicultural Allies Program	2007-2009
Academic liaison, CMS varsity swim team	2007-2014
Classroom Undergraduate Research Experience (CURE) study facilitator	2006
Strategic planning workshop subcommittee – Optimizing the HMC Experience	2006
HMC 50 th Anniversary Lecture Series subcommittee	2005-2006
ADL Campus of Difference Diversity Trainer	2005-2007
Pre-Medical Student Advisor	2004-2013
Teaching and Learning Committee	2004-2007
Subcommittee on the Joint Major in Chemistry and Biology	2003-2004
Chair, Radiation Safety Committee	2003-2009

EXTERNAL SERVICE

Ambassador, Science Education for New Civic Engagements and Responsibilities (SENCER)	2022-present
Visiting committee, School of Chemistry and Material Science, RIT	2021
Reviewer for AAC&U Transforming STEM Education Conference	2016-2020
Foothill AIDS Project, Vice-Chair of Board of Directors	2013-2014
Foothill AIDS Project, member of the Board of Directors	2010-2017
Foothill AIDS Project, scientific consultant and staff trainer	2008-2015
Reviewer for <i>AIDS: Science and Society, 6th Edition</i>	2011
Ford Foundation Diversity Fellowships Predoctoral Program, review panel	2008, 2011, 2022
NSF Center for Integration of Teaching, Research, and Learning, panelist	2008
Project Kaleidoscope, Faculty for the 21 st Century	2007-present
National Science Foundation, Ad-Hoc Reviewer	2005-present

PUBLICATIONS (UNDERGRADUATE CO-AUTHORS UNDERLINED)

Peer-reviewed research articles

14. L. J. Scherer, K. A. Haushalter, A. L. Fong, A. Anderson, A. Kretsch, X. Wu, and J. J. Rossi. 2022. Accurate processing of therapeutic tRNA-shRNA chimeras is determined by tRNA integrity, *BMC Molecular Biology* (in preparation)
13. J. Hardin, K. A. Haushalter, D. Yong. 2020. Turning STEM Education Inside-Out: Teaching and Learning Inside of Prisons, *Science Education & Civic Engagement An International Journal*, **12**, 2:84-90.
12. K. D. Mouzakis, T. Wu, and K. A. Haushalter. 2019. Thermostability and excision activity of polymorphic forms of hOGG1, *BMC Research Notes*, 2019, **12**:92. <https://doi.org/10.1186/s13104-019-4111-9>
11. G. J. Gemmen, R. Sim, K. A. Haushalter, P. C. Ke, J. T. Kadonaga, D. E. Smith. 2005. Forced unraveling of nucleosomes assembled on heterogeneous DNA using core histones, NAP-1, and ACF, *J Mol Biol*, **351**, 89-99.
10. J. E.A. Wibley, T. R. Waters, K. A. Haushalter, G. L. Verdine, L. H. Pearl. 2003. Structure and Specificity of the Vertebrate Anti-Mutator Uracil-DNA Glycosylase SMUG1, *Molecular Cell*, **11**, 1647-1659.
9. L. Chen, K. A. Haushalter, C. M. Lieber, G. L. Verdine. 2002. Direct visualization of a DNA glycosylase searching for damage. *Chemistry & Biology*, **9**, 345-350.
8. H. Nilsen, K. A. Haushalter, P. Robins, D. E. Barnes, G. L. Verdine, T. Lindahl. 2001. Excision of deaminated cytosine from the vertebrate genome: role of the SMUG1 uracil DNA glycosylase. *EMBO J.*, **20**, 4278-4286.
7. K. A. Haushalter, P. T. Stukenberg, M. W. Kirschner, G. L. Verdine. 1999. Identification of a new uracil DNA glycosylase family by expression cloning using synthetic inhibitors. *Current Biology*, **9**, 174-185.

6. K. A. Haushalter, J. Lau, J. D. Roberts. 1996. An NMR investigation of the effect of hydrogen bonding on the rates of rotation about the C-N bonds in urea and thiourea. *Journal of the American Chemical Society*, **118**, 8891-8896.

Other publications

5. K. A. Haushalter. 2017. Advances in the Treatment and Prevention of HIV-AIDS (invited review). *Journal of Southern California Clinicians*, **11**, 33-36.
4. K. A. Haushalter. 2009. HIV-AIDS: Science, Society, and Service – An Integrative Experiences Course at Harvey Mudd. *Enzymatic - ASBMB Undergraduate Affiliate Network*, August 2009, 3-5.
3. K. A. Haushalter. 2008. Labeling DNA and Preparing Probes, *Current Protocols Essential Laboratory Techniques*, 8.4.1-8.4.22.
2. K. A. Haushalter, D. J. Asai. 2006. Beyond Bio2010: If We Build It, Will They Come? *Council of Undergraduate Research Quarterly*, **26**, 160-163.
1. K.A. Haushalter, J. T. Kadonaga. 2003. Chromatin assembly by DNA-translocating motors. *Nature Rev. Mol. Cell Biol.*, **4**, 613-620.

PRESENTATIONS (UNDERGRADUATE CO-AUTHORS UNDERLINED, PRESENTING AUTHORS LISTED FIRST)

66. Karl A. Haushalter. 2021. Anti-Racist Pedagogy in a Junior-Level Biochemistry Course. *Social Justice in Biochemistry*. July 18, 2022. St. Olaf College, Northfield, MN.
65. Karl A. Haushalter. 2020. What can HIV-AIDS teach us about COVID-19? *Science Education for New Civic Engagements and Responsibilities (SENCER) Summer Institute*, July 31, 2020. Virtual meeting.
64. Karl A. Haushalter. 2019. Turning STEM Education Inside-Out: Teaching and Learning Inside of Prison. *Science Education for New Civic Engagements and Responsibilities (SENCER) Summer Institute*, August 2, 2019. Cleveland, OH.
63. Gabriela Gamiz and Karl A. Haushalter. 2019. The Napier Initiative: Intergenerational Community Partnerships to Encourage Creative Leadership for Social Change. *Continuums of Service, Campus Compact Western Regional Meeting*, March 7, 2019. San Diego, CA.
62. Karl A. Haushalter. 2019. DNA Damage and Repair. Invited talk. *Department of Chemistry and Biochemistry, Loyola Marymount University*, January 25, 2019. Los Angeles, CA.
61. Karl A. Haushalter. 2018. PrEParing for the end of AIDS: Antiretrovirals for the Treatment and Prevention of HIV-1. Invited talk. *Pomona Valley Hospital and Medical Center CME Lecture Series*, May 30, 2018. Pomona, CA.
60. Karl A. Haushalter. 2018. Cancer and DNA Repair. *Prison Education Project: Claremont Faculty Forum, California Rehabilitation Center*, March 16, 2018. Norco, CA.

59. Karl A. Haushalter. 2017. Hope and HIV. Invited Talk. *Taylor University*, December 1, 2017. Upland, IN.
58. Emma Klein, Karl A. Haushalter. 2017. Stimulation of human 8-oxoguanine DNA glycosylase by AP endonuclease: Effect of polymorphisms. *253rd National Meeting of the American Chemical Society*, April 2-6, 2017. San Francisco, CA.
57. Karl A. Haushalter. 2016. Hope and HIV. Invited talk. *Marian Miner Cook Athenaeum at Claremont McKenna College*. November 28, 2016. Claremont, CA.
56. Karl A. Haushalter. 2016. Hope and HIV. Invited talk. *All Saints Episcopal Church: Adult Education Forum*, November 27, 2016. Pasadena, CA.
55. Karl A. Haushalter. 2015. Working Towards the End of HIV-AIDS. Invited Talk. *Claremont University Club*, June 30, 2015. Claremont, CA.
54. Karl A. Haushalter. 2015. Working Towards the End of HIV-AIDS. Invited Talk. *Pomona Valley United Nations Association*, April 21, 2015. Claremont, CA.
53. Karl A. Haushalter. 2015. Working Towards the End of HIV-AIDS. Invited Talk. *Founders Metropolitan Community Church*, March 28, 2015. Los Angeles, CA.
52. Karl A. Haushalter. 2015. Community Based Experiential Learning in STEM. *Project Kaleidoscope Southern California Regional Meeting on Wicked Problems*, February 7, 2015. Fullerton, CA.
51. Karl A. Haushalter. 2015. RNA-Based Gene Therapy Approaches to Treat HIV-AIDS. Invited talk. *University of Richmond*, January 26, 2015. Richmond, VA.
50. Christopher J. Zazueta, Devon Stork, Karl A. Haushalter. 2014. Gene control using tRNA-shRNA chimeras: knockdown by shRNA and degradation of tRNA *Experimental Biology 2014 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*, April 26-30, 2014. San Diego, CA.
49. Mary D. May, Fang-Chu Lin, Karl A. Haushalter. 2014. The effect of cassette order on gene expression knockdown by triple tRNA-shRNA constructs designed for anti-HIV gene therapy. *Experimental Biology 2014 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*, April 26-30, 2014. San Diego, CA.
48. Eva Gao, Karl A. Haushalter. 2014. Inhibiting HIV-1 with chimeric tRNA-miRNA mimics. 2014. *Experimental Biology 2014 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*, April 26-30, 2014. San Diego, CA.
47. Christian Stevens, Lisa J. Scherer, John J. Rossi, Karl A. Haushalter. 2014. Inhibition of HIV-1 through RNA based gene therapies: A tRNA-TAR decoy chimera. *Palm Springs Symposium on HIV-AIDS*, March 6-8, 2014. Palm Springs, CA. [first undergraduate in conference history invited to give oral presentation]

46. Karl A. Haushalter. 2013. What a Baby in Mississippi Can Teach Us About Overcoming HIV-AIDS. *AIDS Services Foundation Orange County*, August 20, 2013. Irvine, CA.
45. Christian Stevens, Lisa J. Scherer, John J. Rossi, Karl A. Haushalter. 2013. Inhibition of HIV-1 transcription by a tunable chimeric tRNA(Ser)-nucleolar localizing trans-activation response element decoy. *Experimental Biology 2013 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*, April 20-24, 2013. Boston, MA. [awarded Best Poster in the Thematic Area of RNA Function and Protein Synthesis]
44. Karl A. Haushalter. 2013. Working Towards the End of HIV-AIDS. *University of Southern California Black Social Work Caucus*, March 14, 2013. Los Angeles, CA.
43. Emily Putnam, Anna Lee, Athena Anderson, Ashley Kretsch, Lisa J. Scherer, Karl A. Haushalter, John J. Rossi. 2012. Effects of tRNA(Ser) acceptor stem mutations on competition amongst shRNAs. *243rd American Chemical Society National Meeting*, March 25-29, 2012. San Diego, CA.
42. Karl A. Haushalter, Emily Putnam, Ashley Kretsch, Athena Anderson, Lisa J. Scherer, John J. Rossi. 2012. tRNA promoter cassettes for the combinatorial expression of short hairpin RNAs directed against HIV-1. *19th Conference on Retroviruses and Opportunistic Infections*, March 5-8, 2012. Seattle, WA
41. Karl A. Haushalter. 2012. Working Towards the End of HIV-AIDS. Invited Talk. *The Press: Science on Tap*, February 20, 2012. Claremont, CA.
40. Karl A. Haushalter. 2012. HIV-AIDS and Antiretrovirals. Staff in-service training presentation. *Substance Abuse Foundation*, February 9, 2012. Long Beach, CA.
39. Karl A. Haushalter. 2012. Antiretrovirals (ARVs) for the Treatment of HIV-AIDS. Patient education workshop. *Substance Abuse Foundation*, January 9, 2012. Long Beach, CA.
38. Karl A. Haushalter. 2011. Invited Talk. *Winds of Change: Seeking Justice and Love*, October 22, 2011. Rancho Palos Verdes, CA.
37. Karl A. Haushalter. 2011. The End of AIDS. Invited talk. *TEDxClaremontColleges: Friending the Future*, September 23, 2011. Claremont, CA.
Talk available on-line at <http://www.youtube.com/watch?v=5MK5147wMJQ>
36. Lisa J. Scherer, Karl A. Haushalter, Athena Anderson, John J. Rossi. 2011. Expression of Anti-HIV-1 Short Hairpin RNAs using Pol III-based Transcription Systems. 2011. *14th Annual Meeting of the American Society of Gene and Cell Therapy*, May 18-21, 2011. Seattle, WA.
35. Karl A. Haushalter. 2010. Inhibiting HIV-AIDS by lentiviral-mediated delivery of small interfering RNA. Invited talk. *California State University Northridge*. November 17, 2010. Northridge, CA.

34. Karl A. Haushalter. 2010. Inhibiting HIV-AIDS by lentiviral-mediated delivery of small interfering RNA. Invited talk. *Joint Science Department of the Claremont Colleges*, September 16, 2010. Claremont, CA.
33. Karl A. Haushalter, Hannah Kornfeld. 2010. An Update on the Global HIV-AIDS Pandemic. Invited talk. *Pomona Valley Chapter of the United Nations Association*, March 16, 2010. Claremont, CA.
32. Karl A. Haushalter. 2009. Guest Lecture. The Biochemistry of Food. *California Department of Corrections and Rehabilitation - California Institution for Women*, December 14, 2009. Chino, CA.
31. Karl A. Haushalter. 2009. HIV-AIDS in 2009. Keynote speaker. World AIDS Day Conference and Exposition. *Kansas Avenue Seventh-Day Adventist Church*. December 5, 2009. Riverside, CA.
30. Karl A. Haushalter. 2009. Staff in-service training presentation. HIV Antiretroviral Therapy: The Importance of Adherence. *American Recovery Center*, September 17, 2009. Pomona, CA.
29. Karl A. Haushalter. 2009. An Update on the Global HIV-AIDS Pandemic. *Stauffer Lecture Series of Harvey Mudd College*, July 2, 2009. Claremont, CA.
28. Christina Snyder, Vikram Shivaji, Karl A. Haushalter. 2009. Expression of Human APOBEC3G and Exploration of the DNA Binding of its Catalytic Domain. *Southern California Undergraduate Research Conference in Chemistry and Biochemistry*, April 25, 2009. Los Angeles, CA.
27. Ethan Sokol, Daniel Garcia, Karl A. Haushalter. 2009. Trapping the hOGG1-nucleosomal DNA ternary complex. *Southern California Undergraduate Research Conference in Chemistry and Biochemistry*, April 25, 2009. Los Angeles, CA.
26. Hannah Savage, Karl A. Haushalter. 2009. Discrete state system model for DNA repair enzyme search mechanism. *Southern California Undergraduate Research Conference in Chemistry and Biochemistry*, April 25, 2009. Los Angeles, CA.
25. Caitlin Olmsted, Jennifer Fukuto, Janina Moretti, Karl A. Haushalter. 2009. Cross-linking histones and DNA to prevent transient site exposure.. *Southern California Undergraduate Research Conference in Chemistry and Biochemistry*, April 25, 2009. Los Angeles, CA.
24. Karl A. Haushalter, Nadia Abuelezam, Seanna Vine. 2008. HIV-AIDS: A Global Picture. Invited talk. *Pomona Valley Chapter of the United Nations Association*. November, 2008. Claremont, CA.
23. Karl A. Haushalter. 2008. AIDS: Then and Now. Invited talk. *Another Voice*. May 18, 2008. Claremont, CA.

22. Karl A. Haushalter. 2008. What your parents never told you about DNA: Studies of DNA oxidation and repair. Department seminar. *Santa Clara University*. April 21, 2008. Santa Clara, CA.
21. Ken Loh, Ethan Sokol, Karl A. Haushalter. 2008. Characterization of the hOGG1-nucleosomal DNA ternary complex. *Experimental Biology 2008 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*, April 5-8, 2008. San Diego, CA. [awarded Honorable Mention in the undergraduate poster competition]
20. Jennifer Fukuto, Karl A. Haushalter. 2008. Cross-linking histones and DNA to prevent transient site exposure. *Experimental Biology 2008 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*, April 5-8, 2008. San Diego, CA.
19. Karl A. Haushalter. 2008. What your parents never told you about DNA: Studies of DNA oxidation and repair. Department seminar. *Lewis and Clark College*. March 18, 2008. Portland, OR.
18. Karl A. Haushalter, Sabrina Aurora. 2008. The Global HIV-AIDS Pandemic in 2008. Invited talk. *CUCCC Adult Education Forum*, March 2, 2008. Claremont, CA
17. Karl A. Haushalter. 2007. Developing critical thinking in introductory biochemistry through exploratory writing in an electronic collaborative learning environment. Invited talk. *Experimental Biology 2007 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*. April 28-May 2, 2007. Washington, DC
16. Fang-Yuan Chang, Karl A. Haushalter. 2007. Covalent trapping of the hOGG1:nucleosomal DNA complex. *233rd National Meeting of the American Chemical Society*. March 25-29, 2007. Chicago, IL.
15. Matthew T. Hoss, Karl A. Haushalter. 2007. Kinetic analysis of nucleosomal DNA repair. *233rd National Meeting of the American Chemical Society*. March 25-29, 2007. Chicago, IL.
14. Ken Loh, Karl A. Haushalter. 2007. Trapping of a nucleosomal DNA repair intermediate. *233rd National Meeting of the American Chemical Society*. March 25-29, 2007. Chicago, IL.
13. Janina Moretti, Karl A. Haushalter. 2007. Does Base Excision Repair of Nucleosomal DNA Occur via a Transient Site Exposure Mechanism? *Keystone Symposium on Genome Instability and Repair*. January 17-21, 2007. Breckenridge, CO.
12. Kathryn Mouzakis, Tiffany Wu, Karl A. Haushalter. 2007. Thermolability and Compromised Excision Activity of Polymorphic Forms of hOGG1. *Keystone Symposium on Genome Instability and Repair*. January 17-21, 2007. Breckenridge, CO.
11. Karl A. Haushalter. 2006. What your parents never told you about DNA: Studies of DNA oxidation and repair. Invited talk. *California State University Northridge*. November 15, 2006. Northridge, CA.

10. Karl A. Haushalter, Fang-Yuan Chang, Ken Loh. 2006. Probing the Structure of a Covalent DNA Repair Intermediate. *Nucleic Acid Enzymes FASEB Summer Research Conference*. June 10-15, 2006. Saxtons River, VT.
9. Karl A. Haushalter. 2006. Research-like Experiences in a Biochemistry Laboratory Course Focused on DNA Repair. *Experimental Biology 2006 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*. April 1-5, 2006. San Francisco, CA.
8. Karl A. Haushalter, Kathryn Mouzakis, Tiffany Wu, Yan Pu. 2006. Biochemical properties of common variants of human 8-oxoguanine DNA glycosylase. *Experimental Biology 2006 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*. April 1-5, 2006. San Francisco, CA.
7. Sara Hummel, Matthew Hoss, Karl A. Haushalter. 2006. Sequence Specificity of Human 8-Oxoguanine DNA Glycosylase. *231st National Meeting of the American Chemical Society*. March 26-30, 2006. Atlanta, GA.
6. Fang-Yuan Chang, Karl A. Haushalter. 2006. Trapping the hOGG1:nucleosomal DNA complex. *231st National Meeting of the American Chemical Society*. March 26-30, 2006. Atlanta, GA.
5. Karl A. Haushalter. 2005. Biochemistry in Context: A Case Study Approach. *Experimental Biology 2005 – Annual Meeting of the American Society for Biochemistry and Molecular Biology*. April 2-6, 2005. San Diego, CA.
4. Karl A. Haushalter. 2005. Biochemistry in Context: A Case Study Approach. Invited talk. *229th National Meeting of the American Chemical Society*. March 13-17, 2005. San Diego, CA.
3. Sarah Bundick, Ryan Mashiyama, Karl A. Haushalter. 2005. Substrate location by the DNA repair enzyme SMUG1. *229th National Meeting of the American Chemical Society*. March 13-17, 2005. San Diego, CA.
2. Steven Petesch, Karl A. Haushalter. 2005. How does the DNA glycosylase MutY repair nucleosomal DNA? *229th National Meeting of the American Chemical Society*. March 13-17, 2005. San Diego, CA.
1. Gregory Gemmen, Ronald Sim, Karl Haushalter, Pu Chun Ke, James Kadonaga, Douglas Smith. 2005. Forced unraveling of nucleosomes assembled on heterogeneous DNA using core histones, NAP-1, and ACF. *Biophysical Society 49th Annual Meeting*. February 12-16, 2005. Long Beach, CA.