KARL A. HAUSHALTER, PH.D.

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ACADEMIC POSITIONS

Associate Dean of Research and Experiential Learning 2014-2017
Harvey Mudd College

Associate Professor 2009-present
Harvey Mudd College
Departments of Chemistry and Biology

Adjunct Associate Professor 2011-2017
City of Hope National Medical Center
Department of Molecular and Cellular Biology

Visiting Investigator 2010, 2017-2018
City of Hope National Medical Center
Department of Molecular and Cellular Biology

Assistant Professor 2003-2007
Iris and Howard Critchell Assistant Professor 2007-2009
Harvey Mudd College
Departments of Chemistry and Biology

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.

EDUCATION (CONT.)

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.

TEACHING

Bio 182/Chem 182, Chemistry of Living Systems	2004-08, 2012-17
Bio 184/Chem 184, Methods in Biochemistry Laboratory	2004-08, 2012-17
Bio 187/Chem 187/STS 187, HIV-AIDS: Science, Society and Service	2008, 10, 12, 14-16
Bio 189/Chem 189, Topics in Biochemistry and Molecular Biology	2005-08,10-11,13, 15-16
Bio 198, Directed Reading on HIV-AIDS	2008
Chem 19, General Chemistry Intensive	2011, 2013, 2014
Chem 21, General Chemistry	2003, 2007, 2008
Chem 23E, General Chemistry: Energetics	2011-14
Chem 23S, General Chemistry: Structure	2014
Chem 24, General Chemistry Laboratory	2010-2011, 15-16
Chem 25, General Chemistry Laboratory	2003, 2007
Chem 40, Research Experiences	2012, 2013, 15-16
Chem 56, Carbon Compounds	2009
Chem 58, Carbon Compounds Laboratory	2004-2009
Chem 105, Organic Chemistry	2004-2006
Chem 111, Organic Chemistry Laboratory	2004-2006
HMC Summer Institute, Molecular Biology Module	2004-2008, 2010,13,15

RESEARCH STUDENT MENTORING

1.	Emma Klein (’17)	2016-2017
2.	Lakshmi Batachari (’18)	2017
3.	Bella Lee (’18)	2016
4.	Liya Zhu (’19)	2017
5.	Naomi Epstein (’16)	2015-present
6.	Jennifer Smith (’18)	2015-present
7.	Jasmin Rizko (’18)	2015
8.	Melinda Lim (’18)	2015
9.	Christopher Zazueta (Joint Chemistry/Biology, ’14)	2013-2014
10.	Eva Gao (Joint Chemistry/Biology, ’14)	2013-2014
11.	Mary May (Joint Chemistry/Biology, ’15)	2013-2014
12.	Oswald Muro (Stanford University, Undeclared, ’16)	2013

RESEARCH STUDENT MENTORING (CONT.)

13.	Sophia Geffen (Pomona College, Global Health, ’13)	2013
14.	Evan Nigh (Claremont McKenna, Chemistry, ’13)	2012-2013
15.	Devon Stork (Joint Chemistry/Biology, ’15)	2012-2015
16.	Christian Stevens (Joint Chemistry/Biology, ’14)	2012-2014
17.	Bryan Visser (Joint Chemistry/Biology, ’13)	2012-2013
18.	Fang-Chu Lin (UCLA, ’14)	2012
19.	Katie Bennett (Biology, ’12)	2011-2012
20.	Fahmi Quadier (Biology, ’12)	2011-2012
21.	Emily Putnam (Joint Chemistry/Biology, ’12)	2011-2012
22.	Ashley Kretsch (Chemistry, ’13)	2011-2013
23.	Mandie Harmon (Claremont McKenna, Human Biology, ’12)	2011
24.	Erikan Obotetukudo (Claremont McKenna, Human Biology’13)	2011
25.	Jackie Sun (UCLA, ’13)	2011
26.	Susannah Gibbs (Pomona, Biology and Public Policy, ’11)	2011
27.	Athena Anderson (Chemistry, '11)	2009-2011
28.	Chikezie Okoro (UMBC Meyerhoff Scholar, Chemistry, '12)	2009
29.	Daniel Garcia (Biology, '10)	2008-2009
30.	Hannah Savage (Mathematics, '10)	2008-2009
31.	Christina Snyder (Joint Chemistry/Biology, '09)	2008-2009
32.	Nadia Abuelezam (Joint Math/Biology, '09) – in partnership with TASO Uganda	2008
33.	Seanna Vine (Chemistry, '09) – in partnership with TASO Uganda	2008
34.	Karen Chiu (Williams College, Chemistry, '10)	2008
35.	Alexandra Torres (Harvard University, Biology, '11)	2008
36.	Caitlin Olmsted (Chemistry, '10)	2008-2009
37.	Vikram Shivaji (Joint Chemistry/Biology, '10)	2008-2009
38.	Ethan Sokol (Joint Chemistry/Biology, '10)	2007-2009
39.	Janina Moretti (Joint Chemistry/Biology, 07)	2006-2007
40.	Ken Loh (Chemistry, ’09)	2006-2008
41.	Jennifer Fukuto (Joint Chemistry/Biology, 09)	2006-2008
42.	Matthew Hoss (Joint Chemistry/Biology, ’08)	2005-2007
43.	Fang-Yuan Chang (Joint Chemistry/Biology, ’07)	2005-2007
44.	Katie Mouzakis (Joint Chemistry/Biology, ’07)	2005-2007
45.	Sara Hummel, (Chemistry, ’06)	2005-2006
46.	Brianna Lyon-Roberts (Chemistry, ’06)	2005-2006
47.	Yan Pu (Claremont McKenna College, Molecular Biology, ’06)	2005-2006
48.	Tiffany Wu (Harvard University, Chemistry, ’06)	2004-2005
49.	Sarah Bundick, (Chemistry and Biology, ’05)	2004-2005
50.	Steven Petesch (Chemistry, ’05)	2004-2005
51.	Ryan Mashiyama (Chemistry, ’04)	2003-2004
52.	Kit Rodolfa (Chemistry and Physics, ’04)	2003-2004
53.	Alexis Kaushansky (Chemistry, ’04)	2003-2004

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

Sherman Fairchild Foundation Award for Summer Undergraduate Research 2013
Inhibiting the CCR5 HIV co-receptor with an optimized tRNA-shRNA chimera
$6,500

Sherman Fairchild Foundation Award for Summer Undergraduate Research 2012
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

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
Phi Beta Kappa	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, 2nd Team At-Large	1995

COLLEGE AND DEPARTMENT SERVICE

Research Committee, Chair	2014-2017
Faculty Executive Committee	2012-2014
Aero's Scholars Selection Committee	2011-present
Advancement Advisory Committee	2013-present
Campaign Priorities Committee	2014-present
Community Engagement Advisory Board	2012-present
Fellowships Committee, Napier Fellowship	2012-present
Napier Initiative Joint Advisory Group	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-present
Classroom Undergraduate Research Experience (CURE) study facilitator	2006
Strategic planning workshop subcommittee – Optimizing the HMC Experience	2006
HMC 50th 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

PROFESSIONAL SERVICE

Foothill AIDS Project, Vice-Chair of Board of Directors	2013-2014
Foothill AIDS Project, member of the Board of Directors	2010-present
Foothill AIDS Project, scientific consultant and staff trainer	2008-present

Reviewer for *AIDS: Science and Society, 6th Edition*	2011
Ford Foundation Diversity Fellowships Predoctoral Program, review panel	2008, 2011
NSF Center for Integration of Teaching, Research, and Learning, panelist	2008
Project Kaleidoscope, Faculty for the 21st Century	2007-present
National Science Foundation, Ad-Hoc Reviewer	2005-present
Sigma Xi, Claremont Colleges Chapter Secretary, Vice-President, President	2004-2008

PUBLICATIONS (UNDERGRADUATE CO-AUTHORS UNDERLINED)

1. E. Gao, K. A. Haushalter, 2014. Inhibiting HIV-1 with chimeric tRNA-miRNA mimics. *FASEB Journal*, **28**: 749.8.

2. C. Zazueta, D. Stork, K. A. Haushalter, 2014. Gene control using tRNA-shRNA chimeras: knockdown by shRNA and degradation of tRNA. *FASEB Journal*, **28**: 749.3.

3. M. May, F.C. Lin, K. A. Haushalter, 2014. The effect of cassette order on gene expression knockdown by triple tRNA-shRNA constructs designed for anti-HIV gene therapy. *FASEB Journal*, **28**: 749.6.

4. C. Stevens, L. J. Scherer, J. J. Rossi, K. A. Haushalter. 2013. Inhibition of HIV-1 transcription by a tunable chimeric tRNA(Ser)-nucloelar localizing trans-activation response element (TAR) decoy. *FASEB Journal,* **27**:985.1.

5. E. A. Putnam, A. Lee, A. Anderson, A. Kretsch, L. J. Scherer, K. A. Haushalter, J. J. Rossi. 2012. Effects of tRNA(Ser) acceptor stem mutations on competition amongst shRNAs. *Abstracts of Papers of the American Chemical Society*, **243**:39-BIOL.

6. J. Fukuto , K. A. Haushalter. 2008. Cross-linking histones and DNA to prevent transient site exposure. *FASEB Journal,* **22**:985.1.

7. K. H. Loh, E. S. Sokol, K. A. Haushalter. 2008. Characterization of the hOGG1-nucleosomal DNA ternary complex. *FASEB Journal,* **22**:989.4.

8. K. A. Haushalter. 2008. Labeling DNA and Preparing Probes, *Current Protocols Essential Laboratory Techniques*, 8.4.1-8.4.22.

9. K. A. Haushalter. 2007. Developing critical thinking in introductory biochemistry through exploratory writing in an electronic collaborative learning environment. *FASEB Journal,* **21**:A297.

10. Fang-Yuan Chang, Karl A. Haushalter. 2007. Covalent trapping of the hOGG1:nucleosomal DNA complex. *Abstracts of Papers of the American Chemical Society*, **233**: 943-CHED.

11. Matthew T. Hoss, Karl A. Haushalter. 2007. Kinetic analysis of nucleosomal DNA repair. *Abstracts of Papers of the American Chemical Society*, **233**: 907-CHED.

12. Ken Loh, Karl A. Haushalter. 2007. Trapping of a nucleosomal DNA repair intermediate. *Abstracts of Papers of the American Chemical Society*, **233**: 928-CHED.

13. K. A. Haushalter, K. Mouzakis, T. Wu, Y. Pu. 2006. Biochemical properties of common variants of human 8-oxoguanine DNA glycosylase. *FASEB Journal*, **20**: A1361.

14. K. A. Haushalter, 2006. Research-like experiences in a biochemistry laboratory course focused on DNA repair. *FASEB Journal*, **20**: A977.

15. Sara Hummel, Matthew Hoss, Karl A. Haushalter. 2006. Sequence Specificity of Human 8-Oxoguanine DNA Glycosylase. *Abstracts of Papers of the American Chemical Society*, **231**: 776-CHED.

16. Fang-Yuan Chang, Karl A. Haushalter. 2006. Trapping the hOGG1:nucleosomal DNA complex. *Abstracts of Papers of the American Chemical Society*, **231**: 803-CHED.

17. K. A. Haushalter, D. J. Asai. 2006. Beyond Bio2010: If We Build It, Will They Come? *Council of Undergraduate Research Quarterly*, **26**, 160-163.

18. 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.

19. 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.

20. K.A. Haushalter, J. T. Kadonaga. 2003. Chromatin assembly by DNA-translocating motors. *Nature Rev. Mol. Cell Biol*., **4**, 613-620.

21. 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.

22. 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.

23. 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.

24. 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.

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

1. 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.

2. Karl A. Haushalter. 2016. Hope and HIV. Invited talk. *Marian Miner Cook Athenaeum at Claremont McKenna College*. November 28, 2016. Claremont, CA.

3. Karl A. Haushalter. 2015. RNA-Based Gene Therapy Approaches to Treat HIV-AIDS. Invited talk. *University of Richmond*. January 26, 2015. Richmond, VA.

4. 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.

5. 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.

6. 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.

7. 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]

8. Christian Stevens, Lisa J. Scherer, John J. Rossi, Karl A. Haushalter. 2013. Inhibition of HIV-1 transcription by a tunable chimeric tRNA(Ser)-nucloelar 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]

9. 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.

10. 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

11. 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

12. 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.

13. 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.

14. 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.

15. 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.

16. 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.

17. Karl A. Haushalter. 2009. An Update on the Global HIV-AIDS Pandemic. Stauffer Lecture Series. *Harvey Mudd College*. July 2, 2009. Claremont, CA.

18. 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.

19. 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.

20. 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.

21. 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.

22. 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.

24. 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.

25. 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]

26. 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.

27. 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.

28. Karl A. Haushalter, Sabrina Aurora. 2008. The Global HIV-AIDS Pandemic in 2008. Invited talk. *CUCCC Adult Education Forum*, March 2, 2008. Claremont, CA

29. 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

30. 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.

31. 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.

32. 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.

33. 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.

34. 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.

35. 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.

36. 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.

37. 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.

38. 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.

39. 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.

40. 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.

41. 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.

42. 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.

43. 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.

44. 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.

45. 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.