

DEVIN S. IIMOTO
Curriculum Vitae

ADDRESS

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EDUCATION

University of California, San Diego Ph.D 1987 Chemistry
University of California, San Diego M.S. 1985 Chemistry
Carleton College B.A. 1982 Chemistry

EXPERIENCE

02/05-present Professor of Chemistry - Whittier College
09/96-02/05 Associate Professor of Chemistry - Whittier College
09/90-09/96 Assistant Professor of Chemistry - Whittier College

02/97-08/97 Sabbatical Position - University of Southern California
 Department of Biochemistry and Molecular Biology Francis
 Markland

11/87-06/90 Postdoctoral Scientist - University of California, San Diego
 Department of Neuroscience - Tsunao Saitoh

09/83-10/87 Graduate Student - University of California, San Diego
 Department of Chemistry - Elvin Harper

08/82-07/83 Lab Technician - University of Southern California
 Department of Pharmaceutical Chemistry
 Vincent Lee

AWARDS

2009 Harry Nerhood Teaching Award at Whittier College

PUBLICATIONS

Devin S. Iimoto. Service Learning in an AIDS Course. Science Education and Civic Engagement International Journal. 5(1):25-29, 2013.

Devin S. Iimoto, Kimberley A. Frederick. Incorporating Student Designed Research Projects Into The Chemistry Curriculum. Journal of Chemical Education. Journal of Chemical Education, 88: 1069-1073, 2011.

Devin Iimoto. AIDS and Other Human Diseases: Teaching Science in the Context of Culture. *Journal of College Science Teaching*, 34: 38-41, 2005.

L.-W. Jin, E. Masliah, D. Iimoto, R. DeTeresa, M. Mallory, M.Sundsmo, N. Mori, A. Sobel, and T. Saitoh. Neurofibrillary Tangle-Associated Alteration of Stathmin in Alzheimer's Disease. *Neurobiology of Aging*, 17:331-341, 1996.

E.Masliah, D.Iimoto, M.Mallory, T.Albright, L.Hansen, R.D.Terry and T.Saitoh. Casein kinase II Alteration Precedes Tau Accumulation in Tangle Formation, *American Journal of Pathology*,140:263-268, 1992.

L.Baum, E.Masliah, D.S.Iimoto, L.A.Hanson, W.C.Halliday, T.Saitoh. Casein kinase II is associated with neurofibrillary tangles but is not an intrinsic component of Paired Helical Filaments. *Brain Res.*, 573:126-132, 1992.

E.Masliah, D.Iimoto, T.Saitoh, L.Hansen, and R.Terry, Increased immunoreactivity of brain spectrin in Alzheimer's disease: A marker for synapse loss? *Brain Res.*, 531:36-44, 1990.

D. Iimoto, E. Masliah, R.DeTeresa, R.D.Terry, and T.Saitoh, Aberrant casein kinase II in Alzheimer's disease. *Brain Res.*, 507:273-280,1990.

T.Saitoh, and D.Iimoto, Aberrant Protein Phosphorylation in Alzheimer's Disease. In: *Alzheimer's Disease and Related Disorders*. Ed. K.Iqbal, A.R. Liss, Inc.,New York,New York, Vol. 317, p 769-770, 1989.

T.Saitoh, and D.Iimoto, Altered protein kinase and amyloid beta protein precursor in Alzheimer's disease: Which comes first? *Research and Perspective in Alzheimer's Disease*, Springer-Verlag. Y. Christen, Ed., p 105-117, 1989.

D. Iimoto and T.Saitoh, Altered casein kinase activity in Alzheimer brain. *Soc.Neurosci.Abst.*14,p.1085,1988.

Devin S. Iimoto, James W. Covell, Elvin Harper, Increase in crosslinking of type I and type III collagens associated with volume overload hypertrophy. *Circulation Research*, 63:399-408, 1988.

Devin S. Iimoto, James W. Covell, Elvin Harper, Increase in collagen crosslinking is associated with increased diastolic stiffness in volume overload hypertrophy. *Federation Proceedings*,45:776,1986.

Vincent Lee, Kent Takemoto, Devin Iimoto, Precorneal factors influencing ocular distribution of topically applied liposomal inulin. *Current Eye Research*, 3:585-591,1984.

Vincent Lee, Devin Iimoto, Kent Takemoto, Subcellular distribution of esterases in the bovine eye. *Current Eye Research*, 2:869-879, 1983.

PRESENTATIONS

Pedro A. Perez, Michael Galbreath, Ralph Isovitsch, Devin Iimoto. Triazines inhibit cytochrome P450 1A1 and 1B1 as a potential means to prevent cancer. American Chemical Society National Meeting, New Orleans, LA. April 7, 2013. Poster.

Devin Iimoto. Education Through Service Learning in Liberal Arts Institutions – Roles and Rewards of Faculty Members. Lingnan University Office of Service Learning. Tuen Mun, Hong Kong, China. April 6, 2011. Invited Seminar

Josh Smith, Devin Iimoto. Improved Method for Purifying Fibrolase for Potential Use in Treatment of Myocardial Infarctions and Strokes. American Chemical Society National Meeting. Anaheim, CA. March 29, 2011. Poster.

Will Jackson, Michael Galbreath, Andrés Villalpando, Ralph Isovitsch, Devin Iimoto Potentially preventing cancer with the inhibition of Cytochrome P4501A1 by various stilbenes and pyrroles. American Chemical Society National Meeting. Anaheim, CA March 29, 2011. Poster.

Joshua Smith, Sarah Lamb, Devin Iimoto. Quantifying Fibrolase Using A Widely Available Technique: Polyacrylamide Gel Electrophoresis. American Chemical Society National Meeting. San Francisco, CA. March 23, 2010. Poster.

Kimberley Frederick and Devin Iimoto. Authentic Modeling of the Method of Scientific Inquiry During the Senior Year, The Pittsburgh Conference, Orlando, FL, March 2010.

Ken Irvine, Devin Iimoto, Ralph Isovitsch. Antibiotic Activity of Echinacea Herb in Cultures of *Escherichia coli* and *Staphylococcus aureus*. American Chemical Society National Meeting. Salt Lake City, UT. March 22, 2009. Poster.

Erica Fradinger, Susan Gotsch, Devin Iimoto, David Iyam, Marilyn Gottschall, Cheryl Swift. The World of Whittier College: Changing Student Global Narratives. Association of American Colleges and Universities Conference on Shared Futures Global Learning Forum. Philadelphia, PA. March 19, 2009. Poster.

Devin Iimoto, Carlos Silveira, Hugo Najera, and Caleb Ward. Service Learning: Intersecting Global Learning and Diversity. Association of American Colleges and Universities Conference on Diversity, Learning, and Inclusive Excellence: Accelerating and Assessing Progress. Long Beach, CA. October 17, 2008. Oral Presentation.

Devin Iimoto and Priscilla Bell. Problem Based Experiments Using HPLC and CE. American Chemical Society National Meeting. Philadelphia, PA. August 17, 2008. Oral Presentation.

Devin Iimoto and Priscilla Bell. Problem Based Experiments Involving HPLC and CE. NSF-CCLI PI Conference. Washington DC. August 14, 2008. Poster.

Devin Iimoto. Snake Venom Extracts and Blood: What's the Connection. University of Redlands Chemistry Department. Redlands, CA. Invited Seminar. February 5, 2008.

Devin Iimoto. Civic Responsibility and AIDS Awareness. Western Regional SENCER Conference. Chapman University. April 14, 2007. Oral Presentation.
<http://www.sencer.net/Meetings/regionalnetworks.cfm>

Devin Iimoto, **Ryan Guillory, Mandar Khanal**. Snake venom enzyme helps remove blood stains from clothes. American Chemical Society National Meeting. Anaheim, CA. March 29, 2004. Poster.

Devin Iimoto. Snake Venom as Therapy. University of Redlands Chemistry Department. Redlands, CA. Invited Seminar. February, 2003. Invited Seminar.

Janette Contreras, Andrea Wong, Grace Huang, Devin Iimoto. Heart Attacks and Snake Venom. American Chemical Society Southern California Sectional Meeting, California State University Northridge, April 18, 2002 Poster.

Vince Nguyen, Olesia Matveeva, Devin Iimoto. Purification of apcfib. American Chemical Society National Meeting. San Diego, CA. April 2, 2001. Poster.

Presentations at Undergraduate Conferences

Nancy Pineda. Dissolving Blood Clots with Snake Venom Extracts. Southern California Conference on Undergraduate Research. Cal Poly Pomona, Pomona, CA. November 22, 2008.

Logan Fellhauer and Seth Kutik. Potential Treatment of Cardiac Patients Using Snake Venom Fibrinolytic Enzymes. Southern California Conference on Undergraduate Research. Occidental College, Los Angeles, CA. November 18, 2006.

Santosh Shah. Removing Blood Stains from Fabrics using Florida Cottonmouth Snake Venom Extracts. Southern California Conference on Undergraduate Research. Occidental College, Los Angeles, CA. November 18, 2006.

Mandar Khanal, Monique Reyes, Devin Iimoto. Can Snake Venom remove the Blood Stains from Clothes? Southern California Conference on Undergraduate Research. Whittier College, Whittier, CA. November 20, 2004.

Andy Aikins, Lynette Yolian, Devin Iimoto. Venom in Your Veins: How Snake Venom can Prevent Heart Disease. Southern California Conference on Undergraduate Research. Whittier College, Whittier, CA. November 20, 2004.

Yasir A. Khan, Sara M. Toyota, Devin Iimoto. Purification of Potential Medicinal Enzyme from Snake Venom. Southern California Conference on Undergraduate Research. Whittier College, Whittier, CA. November 20, 2004.

EXTERNAL GRANTS AWARDED

- 2005 National Science Foundation. Course, Curriculum, and Laboratory Improvement-Adaptation and Implementation. “Problem Based Experiments Involving HPLC and CE” \$134,736
- 2000 Research Corporation
Cottrell College Science Awards
“Purification and Characterization of apcfib”
\$31,100
- 1990 Alzheimer’s Disease and Related Disorders Association
Pilot Research Grant
“Casein Kinase II in Alzheimer’s Disease”
\$24,398

INTERNAL GRANTS AWARDED

- 2010 Whittier College Faculty Research Grant - \$3,390
- 2008 Whittier College Faculty Research Grant - \$3,000
- 2005 Whittier College Faculty Research Grant - \$3,464
- 2004 Whittier College Faculty Development Grant
“Bioinformatics” Chautauqua Workshop at Rensselaer Polytechnic
Institute - \$990
- 2003 Whittier College Jump Start Funding
“Removing blood stains with Fibrinolytic Agents” - \$1,500
- 2003 Whittier College Faculty Research Grant
“Removing blood stains with Fibrinolytic Agents” - \$2,000
- 2002 Whittier College Faculty Development Grant
“Technology in Biochemistry”
CWCS at Georgia State University - \$650
- 2000 Whittier College Faculty Research Grant
“Purification and Characterization of apcfib” - \$4,000

- 1998 Whittier College Faculty Research Grant
“Purification and Characterization of apcfib” - \$4,000
- 1995 Whittier College Faculty Development Grant
“Column Chromatography in the Biochemistry Laboratory” - \$1,600

APPLIED SCHOLARSHIP

- 2010-present Reviewer for Research Corporation
- 2005 Reviewer for National Science Foundation CCLI grants
- 2002-present Reviewer for Journal of Chemical Education
- 1999 External Reviewer – California Lutheran University Chemistry
Department