

JENNIFER B. SORENSEN, Ph. D.

Department of Chemistry

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APPOINTMENTS

Seattle University | Seattle WA

Director, General Science Program 2005-2017

Director, Environmental Science Program 2005-2014

Assistant Professor of Chemistry 2005-present

Visiting Assistant Professor of Chemistry 2000-2005

Current Research and Scholarship: Science in community organizations | Science facilitation training | Clinical practice in science teacher education

Ab initio modeling of phosphinoboranes**EDUCATION**

Ph.D. Physical Chemistry | University of Georgia | Athens GA 2000

Advisor: J. Phillip Bowen

Dissertation: *Computational Studies and Molecular Mechanics Parameterization of Protonated Amines and Diamines*

Science Education (MA coursework complete) | University of Georgia | Athens GA

B.S. Chemistry (ACS certified, minor in mathematics) | Fairfield

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Contributed Workshops Led or Co-Led

“Core Practices and Practice-Based Pedagogies in Science Teacher Preparation” D. Hanley, M. Miller, A. Rogan-Klyve, J. Sorensen, an offering of the NextGen-WA statewide consortium, April 2019.

“Teach Your Outreach Volunteers Effective Inquiry Facilitation Skills” J. Sorensen, S. Lingwood, Biennial Conference on Chemical Education, State College PA, July 2012.

“Building Inquiry Science Capacity in Youth Programs” J. Sorensen, S. Lingwood, National Girls Collaborative Project Collaboration Conference, Washington DC, April 2012.

“Building Inquiry Science Capacity in Youth Programs” J. Sorensen, S. Lingwood, 22nd Annual WEPAN National Conference in conjunction with Northwest Girls Collaborative Project, Bellevue WA, June 2011.

Contributed Research Presentations at Scholarly Meetings

“Preparing University Faculty for Clinically-Oriented, Practice-Based Teacher Education” D. Hanley, M. Miller, A. Rogan-Klyve, J. Sorensen, American Association of Colleges for Teacher Education 73rd Annual Meeting, Online, <https://videos.aacte.org/124-preparing-university-faculty-for-clinically-2>, February 2021.

“Pedagogies of Practice-Based Learning” J. Sorensen, S. Lingwood, American Association of Colleges for Teacher Education 73rd Annual Meeting, Online, <https://videos.aacte.org/124-preparing-university-faculty-for-clinically-2>, February 2021.

“Computational Methods for Conformational Analysis of Unsymmetrical 1,3-Diamines: 3-Aminotropane” J. B. Sorensen, A. H. Lewin, J. P. Bowen, 217th Meeting of the American Chemical Society, Anaheim, CA, March 1999. (poster)

“Molecular Mechanics (MM3) Development of a Polyamine Force Field” J. B. Sorensen, A. H. Lewin, J. P. Bowen, 216th Meeting of the American Chemical Society, Boston, MA, August 1998. (poster)

“Conformational Preferences of α - and β -Substituted Cyclohexanones and Application to Molecular Mechanics (MM3)” J. B. Sorensen, J. P. Bowen, 216th Meeting of the American Chemical Society, Boston, MA, August 1998. (poster)

“Defining the Future of Distance Learning: Tomorrow’s Classroom” J. B. Sorensen, 8th Annual Conference on New Directions in Critical Theory, Tucson, AZ, March 1998.

Invited Lectures and Presentations

“Preparing Next Generation STEM Teachers” E. Geary, J. Antilla, K. Baldwin, J. DeChaine, D. Hanley, T. Holmlund, J. Pasley, J. Rios, R. Ronca, J. Sorensen, A. Wright-Mockler, NSF STEM For All Video Showcase, May 2019.

Core Advancement Portfolio Exam (CAPE) Reader
Udall Scholarship Campus Nominating Committee

2007-2009

2006-2010

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Association for Environmental Studies and Sciences

2010-2014

National Girls Collaborative Project

2007-2013

National Academic Advising Association

2005-2014