

Olvia C. Altstadt, Ph.D.
Physical Sciences Department
Stafford Campus
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713-718-7771

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| Education | Doctor of Philosophy, Chemistry (Biochemistry) Purdue University, Department of Chemistry Bachelor of Science, Chemistry Magna cum Laude University of Puerto Rico, Department of Chemistry | West Lafayette, IN December, 2009 Mayagüez, PR May, 2002 |
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Citizenship US Citizen

Languages Fluent in Spanish and English

Teaching
Experience

Adjunct Faculty: General Chemistry I (CHM 1411)
HCCS Southwest Campus, Stafford, TX (Spring 2011)
Adjunct Faculty: General Chemistry I (CHM 1411)
HCCS Southwest Campus, West Loop, Houston, TX (Fall 2010)
Adjunct Faculty: Introduction to Chemistry (CHM 1405)
LSCS Montgomery, The Woodlands, TX (Fall 2010)
Adjunct Faculty: Introduction to Chemistry (CHM 1405)
LSCS Tomball, Tomball, TX (Fall 2010)
Teaching Assistant: Organic Chemistry I Laboratory
Purdue University, West Lafayette, IN (2004-2008)
Teaching Assistant: Biochemistry I (CHM 333)
Purdue University, West Lafayette, IN (2004-2008)
Teaching Assistant: General Chemistry I
University of Puerto Rico, Mayaguez IN (2002-2003)

Communication
and Leadership Skills

Participated in weekly meetings aimed at the improvement of course materials
Presented research at various local and national meetings and forums.
Wrote successful grant supplements and scholarship research proposals
First graduate student to join and startup graduate research laboratory and projects.
Research laboratory setup and maintenance: responsible for purchases, budget, equipment assembly, equipment training, repair, filing, safety, storage, inventory and all management duties within the laboratory since joining.
Trained and supervised undergraduate and graduate researchers in the area of Biochemistry and Molecular Biology.
A Journal Club was established for graduate and undergraduate students for the interdisciplinary nature of industrial and academic research.

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Analytical Skills

Knowledge of Cn3D, Swiss PDB, and public bioinformatic resources such as: NCIS, ExPASy, JCAT.

Basic application of characterization instruments such as: TLC, IR, UV-Vis, GC, NMR, HPLC, and MS.

Extensive knowledge and application of Windows Microsoft programs such as: Excel, Word, and Power Point.

Publications and Presentations

Genetic Reporter System for Functional Characterization of Site-Specific Proteolysis

Colón O. C., Savinov S. N. RDS to *Biotechnology and Bioengineering* (Dec 2009).

Selective Nitration of Phenols with tert-Butyl Nitrite in Solution and on Solid Support

Koley D., Colón O. C., Savinov S.N. *Org. Lett.*, Vol. 11, No. 18, 2009

Directed Evolution of Site-Specific Proteases for Turnover Based Selective Inactivation of Pro-Angiogenic Metalloproteases.

Alfred P. Sloan Foundation Program for Underrepresented Minorities Grant (August, 2003)

LSAMP/AGEP Midwest Crossroads Conference (November, 2007)

234th ACS National Conference (August, 2007)

PULSE Research Symposium at Purdue University (July, 2006)

PRF Research Assistantship Grant (2006 – 2007)

Bloomington, IN

Boston, MA

West Lafayette, IN

West Lafayette, IN