

BRENDA S. BENAVIDES

bsx392@my.utsa.edu

Objective

Obtaining a position where I can maximize my skills and experience in a challenging environment, accomplishing my personal and professional goals.

Capabilities

Work under pressure, decision-maker, teamwork, quick learner, creative ability, task oriented, organized, leadership skills, self-motivated, integrity, good relationship building, persuasive, communication skills.

Education

University of Texas at San Antonio **2015-Present**
DOCTOR OF PHILOSOPHY IN CHEMISTRY

University of Texas-Pan American
MASTER IN SCIENCE MAJOR IN CHEMISTRY (GPA 3.8) **2009 - 2011**

Universidad Autónoma de Nuevo León
BACHELOR OF SCIENCE AS BIOLOGICAL CLINICAL CHEMIST **1999 - 2005**

Work experience

University of Texas at San Antonio **2015- Present**

Department of Chemistry
Research and Teacher Assistant

- Develop a of protein scaffold to carry out a release of hydrogen in cancer cell lines in an *in vitro* model.
- Develop different protein scaffolds loaded with different metals to produce molecular hydrogen in an aqueous solution.
- Improving existing techniques to simplify them and have better results
- Responsible of two general chemistry laboratories, teaching experimental procedures to undergraduate students.
- Teaching Assistant (1 lecture)- General Chemistry . Assisting the professor with classroom instruction, exams, record keeping.

University of the Incarnate Word **2014- 2015**

Adjunct Instructor in Chemistry- School of Mathematics, Science and Engineering

- Teaching Chemical Principles, Biological Chemistry and Organic Chemistry laboratories.
- Prepare lessons, teach in the classroom and provide individual help in office hours.

LGA Chemical Solutions, Inc. **2012- 2014**

Business Development Manager- San Antonio, TX

- Search for suppliers of raw materials, products and equipment.
- Develop an intelligent information system that links chemicals to manufacturers and consumers.
- Develop and implement a marketing plan in Texas, to promote the products our company manufacture in Mexico.
- Make promotional visits to potential customers in Texas. Convert the technical information used in OMEGA Chemicals S.A. de C.V. (Mexico) in a useful tool for the U.S. market.

University of Texas- Pan American **2009 - 2011**

Department of Chemistry- McAllen, TX

Research Assistant

- Responsible of the biochemistry laboratory, organizing and ordering materials needed.
- Improving existing techniques in order to simplify them.
- Complementing the experimental procedures manuals with changes in procedures and new techniques in the laboratory.
- Performing chemoprevention studies with cancer cell lines in an *in vitro model*.
- Performing biocompatibility studies of Electrospun polymer nanofibers in *in vitro model*.

University of Texas- Pan American **2009 - 2010**

Department of Chemistry- McAllen, TX

Teacher Assistant

- Responsible of four general chemistry laboratories, teaching theoretical introduction and experimental procedures to undergraduate students.

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- Assisting in experiments with good practices in the laboratory.
- Evaluating student's performances in order to obtain their semester grades.

IPharma S.A. de C.V.

2006 - 2007

Department of Analytical Laboratory- Monterrey, NL, Mexico

Analytical Chemist

- Bioequivalence analysis in biological fluids.
- Dealing with volunteers in the bioequivalence studies in order to obtain biological samples for the analysis.
- Processing and analyzing experimental data.
- Statistic evaluations.
- Improving techniques in order to simplify procedures.

Universidad Autonoma de Nuevo Leon

2005 - 2006

Pharmacology Department- Monterrey, NL, Mexico

Biological Clinical Chemist

- Analyzing heavy metals in water, earth, and biological fluids

Escuela Secundaria 34 Secretaria de Educacion

2002 - 2007

SEP- Guadalupe, NL, Mexico

Laboratory Assistant & Chemistry Teacher

- Explaining and performing experiments to junior high students.
- Evaluating student performances in order to obtain their annual grade.
- Dealing with parents in order to increase students performing.

Skills/ Instruments

- Gas-chromatography
- UV-Vis spectrophotometer
- High-Performance liquid chromatography
- NMR Spectrometer
- Electron Microscope
- Confocal Microscope
- Optical Microscope
- Automated Cell Counter

Skills

Computer proficiency, Microsoft Office, SigmaXL, Outlook and Internet

Languages

Fluent in English and Spanish (both written and spoken)

Publications & Conference Presentations

- Diaz Morales, NE; Ramirez Villarreal, EC; Waksman Torres, N.; Garza Ulloa, HJ; Ochoa Ramos, BS* October 2004. Solid phase extraction of Polycyclic Aromatic Hydrocarbons using disks, and columns. Mexican Congress of Chemistry, published in the memoirs of this Congress.
- Ochoa Ramos, BS*; Acuna Askar, K. October 2005. Insulation of Microorganisms-Biodegradable of Benzene, Toluene, Xylene Ethyl benzene, ether and methyl terbutilic Ethanol Aclimate different substrates; published in the memoirs of this Congress.
- Ochoa Ramos, BS*; Acuna Askar, K. October 2005. Insulation of Microorganisms-Biodegradable of Benzene, Toluene, Xylene Ethyl benzene, ether and methyl terbutilic Ethanol Aclimate different substrates; published in the memoirs of this Congress.

*Ochoa Ramos, BS= Maiden Name

Awards

- First Place Student Poster presentation at the Biomedical Ethics Conference March 2011
- First Place Student Poster presentation at the HESTEC Sept. 2010 Science and Engineering Symposium Department of Chemistry

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