

Laura A. Clesi
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OBJECTIVE

To obtain an interview for a position at a prestigious medical school, utilizing my related research, leadership, and volunteer experience.

EDUCATION

Louisiana State University (LSU), Baton Rouge, LA

May 2013

Honors College

Cumulative GPA: 3.74

Bachelor of Science, Chemistry

Minor in Classical Civilizations

Communications across the Curriculum scholar

Related Coursework: Organometallics, Organic Structure Elucidations, Advanced Organic and Inorganic Laboratory, Analytical Chemistry (Lecture and Lab), Organic Chemistry (Lecture 1, 2, and Lab), Physical Chemistry (Lecture 1, 2, and Lab), Biology for Science Majors (Lectures 1, 2, and Labs 1, 2), Physics for Physics Majors (Lectures 1, 2 and Labs 1, 2)

Study Abroad: LSU Honors College Gateway to China cultural-exchange scholarship program May-June 2010, Biotechnology international collaboration with Bayer and Merck July-August 2012

LEADERSHIP EXPERIENCE

Treasurer, Society of Physics Students, Baton Rouge, LA

- Serve on a council of four officers that run the organization
- Coordinate fundraisers for the organization three times a year
- Update club on financial matters including availability for trip/special event funding
- Plan and organize annual week-long Spring Break Physics trip

Instructor for General Chemistry Labs, LSU

- Develop and present lectures every class period
- Evaluate students' performance and understanding
- Coach students with tutoring outside the classroom

RESEARCH PROJECTS

Synthesis of carborane-porphyrin for application in boron neutron capture therapy (BNCT) of cancer

LSU Department of Chemistry

August 2012-May 2012

- Dr. M. Graca H. Vicente and N.V.S. Dinesh Bhupathiraju
- Synthesizing fluorinated carborane-porphyrins in the search for an efficient material to use in conjunction with a technique to treat cancerous brain tumors, Boron neutron capture therapy
- Instrumentation: MALDI, ¹H-NMR, flash chromatography, column chromatography, TLC

Search for Multi-valent Fe-oxide Materials with Unusual Magnetism

LSU Department of Chemistry

June 2010-May 2012

- Dr. Julia Y. Chan and W. Adam Phelan
- Ceramic synthesis of oxides to find a material that exhibited room temperature colossal magnetoresistance in the hopes of finding more efficient materials for home alarm systems.
- Instrumentation: powder x-ray diffractometer to confirm phase purity, superconducting quantum interference device (SQUID) to quantify colossal magnetoresistance

Assistantship

LSU Department of Physics

August 2009-May 2010

- Dr. John F. DiTusa and Drew Rebar
- Instrumentation: arc melting, arc cutting, SQUID, etc.

COMPUTER SKILLS

ChemBioDraw Ultra, MS PowerPoint, MS Excel, Gaussian and GaussView, MatLab, Wolfram Mathematica, LabView

HONORS

La-Stem Scholarship Program, LSU Top 100 Alumni scholarship, Chancellor's Academic Honors List, Robert C. Byrd Scholarship, Phi Kappa Phi member, Phi Beta Kappa member, Mortar Board member, Eta Sigma Phi member, Sigma Pi Sigma member

COMMUNITY SERVICE & INVOLVEMENT

SAACS member, I³ Program Mentor, Baton Rouge Food Bank volunteer, Collaboration with Dr. Marybeth Lima to design and build playground for White Hills Elementary, Chemistry demonstrations at LA State Capitol and multiple public schools with Dr. George Stanley