

Susan B. Anthony

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EDUCATION

Doctor of Philosophy in Biochemistry and Microbial Ecology, May 20XX

University of North Carolina at Charlotte, Charlotte, NC

- Dissertation Title: Enzymology, synthesis, and biological evaluation of new inhibitors of xenochlorophenoxyacetic acid (2,4-X) metabolism in soil bacteria
- Thesis Advisors: Prof. D. Biochemist and Dr. I. M. Molecular

Bachelor of Science in Chemistry, May 20XX

University of Kentucky, Lexington, KY

- Thesis Project: The structure of mitochondrial proteins from *Carabis ajanus*.
- Thesis Advisor: Prof. C. Harriz

RESEARCH EXPERIENCE

Research Assistant, August 20XX-Present

UNC Charlotte, Charlotte, NC

- Investigated gene products of indigenous bacterial fauna in degradation of the herbicide xenochlorophenoxyacetic acid (2,4-X)
- Developed a new technique for measuring photodegradation of 2,4-X in soils
- Used parallel synthesis and automated parallel protein purification techniques, as well as NMR and Solid Phase Extraction processes
- Maintained operational responsibility for Professor Biochemist's molecular laboratory, including scheduling use of equipment and record keeping
- Supervised work of 3 undergraduate research assistants, including training in lab safety and Southern Blot techniques
- Assist in grant proposal and manuscript preparation and review

Research Intern, Summer 20XX

Champion Printing, New York, NY

- Investigated de-inking efficiency of surfactants for paper recycling
- Studied kinetics of ink-water interactions in paper slurries using HPLC

TEACHING EXPERIENCE

Teaching Assistant, August 20XX-December 20XX

UNC Charlotte, Department of Biochemistry, Charlotte, NC

- Taught multiple laboratory sections of 40 students in introductory and advanced biochemistry

GRANTS AND AWARDS

- Skowsky Endowed Fellowship for studies in Microbial Ecology, December 20XX
- Departmental Travel Award, May 20XX
- Three-year, merit-based fellowship, Predoctoral Training Consortium, National Science Foundation Grant # NS3051, Month 20XX-Month 20XX

PUBLICATIONS

- **S. B. Anthony**, D. Adams, I. M. Molecular, and D. Biochemist. 20XX. Heptachlor and related analogues as novel agents targeting msuA and msuB condensing enzymes in *Spartanous bacculosus*. Journal of Very Important Research 25: 1687 - 1689.
- **S. B. Anthony**, D. Adams, and D. Biochemist. 20XX. Structural requirements for 2,4-X degradation in *Pseudomonas spartanii*. Science 149: 2903-2904.

POSTER PRESENTATIONS

- Solid State analysis of 2, 4-X decomposing bacterial proteins. April 24, 20XX. Rocky Mountain Conference in Analytical Chemistry, Denver, CO.
- Enzymology, synthesis, and biological evaluation of new inhibitors of 2, 4-X metabolism in soil bacteria. December 10, 20XX. ACS Regional Meeting, Grand Rapids, MI.