

Carla Johnson

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EDUCATION

Master of Science in Biology Expected June 20XX
 St. Cloud State University (SCSU), St. Cloud, Minnesota
 • **GPA: 3.82**

Bachelor of Science in Environmental Science May 20XX
 St. Cloud State University, St. Cloud, Minnesota
 • Minor: Chemistry

HONORS/AFFILIATIONS

- Phi Beta Kappa August 20XX- Present
- Cunningham Dissertation Fellowship (SCSU research grant) May 20XX- Present
- American Society for Microbiology January 20XX - May 20XX
- Sigma Xi, The Scientific Research Society August 2004 - May 20XX
- National Institutes of Health Pre-doctoral Fellowship August 20XX-December 20XX

RESEARCH INTERESTS

- Regulation of aerobic gene expression
- DNA sequencing and determination of DNA binding domains

TEACHING INTERESTS

- Undergraduate biology and microbiology courses including microbiology, genetics, and microbial genetics
- Graduate microbiology courses

RELATED EXPERIENCE

Research

Pre-Doctoral Fellow/Ph.D. Research, Department of Biology, SCSU August 20XX- Present

- Design and conduct experiments for purification and characterization of the repressor for the sn-glycerol 3-phosphate regulon of *Escherichia coli* K-12
- Identify structure of the *glp* repressor and determined DNA binding domains

Research Fellow, National Institutes of Health, Poolesville, MD May 20XX - August 20XX

- Synthesized and purified hundreds of oligonucleotides
- Constructed a cosmid library from human blood DNA

Research Assistant, Department of Biology, SCSU, Saint Cloud, MN August 20XX – July 20XX

- Performed protein bioassays and prepared tissue cultures
- Assisted with DNA preparations for DNA fingerprinting including isolating DNA and gel electrophoresis
- Analyzed data

(EXPERIENCE CONTINUED)

Biology Research Technician, Biotech Research Laboratories, Roanoke, VA June 20XX-July 20XX

- Participated in DNA fingerprinting project
- Digested genomic DNA with restriction enzymes
- Separated digested DNA fragments by electrophoresis through agarose gels and transferring by Southern blotting technique
- Prepared buffers, photographed gels, developed autoradiographs

Teaching

Laboratory Instructor, Department of Biology, SCSU August 20XX - Present

- Teach two laboratory sections for undergraduate introductory Microbiology course

Teaching Assistant, Department of Biochemistry and Nutrition, SCSU August 20XX - May 20XX

- Advised undergraduate biochemistry students during office hours
- Graded quizzes and assignments

PUBLICATIONS

Doctor, J. B. and T. W. Advisor. Structure of the *glp* repressor and the determination of DNA binding domains. (in preparation)

Doctor, J. B. and T. W. Advisor. 20XX. Structures of the promoter and operator of the *glpD* gene encoding aerobic *sn*-glycerol 3-phosphate dehydrogenase of *Escherichia coli* K-12. *J. Bacteriol.* xx: xxxx-xxxx.

Advisor, T. W., J. B. Doctor, A. Colleague, and S. Colleague. 20XX. Purification and Characterization of the repressor for the *sn*-glycerol 3-phosphate regulon of *Escherichia coli* K-12. *J. Biol. Chem.* xxx: xxxx-xxxx.

ABSTRACTS

Doctor, J. B. and T. W. Advisor. 20XX. Nucleotide sequence of the *glpR* gene encoding the repressor of *Escherichia coli* K-12. *Am. Society for Microbiol. Anaheim, CA.*

Advisor, T. W., J. B. Doctor, A. Colleague, and S. Colleague, A. M. Graduate. 20XX. Tandem operators control *sn*-glycerol 3-phosphate *glp* gene expression in *Escherichia coli* Gordon Res. Conf., Meriden, NH.

Doctor, J. B. and T. W. Advisor. 20XX. Regulation of aerobic *sn*-glycerol 3-phosphate dehydrogenase *glpD* gene expression in *Escherichia coli* K-12. *Am. Soc. for Microbiol. Miami, FL*