

TIMOTHY M. SCHRAMM

Genomic Sciences Training Program – Predoctoral Trainee
Laboratory for Molecular and Computational Genomics
Department of Chemistry
5455 Biotechnology Center
425 Henry Mall
Madison, WI 53706

Phone: (608) 265-4401 Cell: (608) 354-5179 E-mail: schramm@chem.wisc.edu

EDUCATION

2001-2005 University of Northern Iowa Cedar Falls, Iowa
B.S., Chemistry: Biochemistry Emphasis (May 2005) GPA:3.62

Awards:

Donald McKay Scholarship Recipient (2001)
ACS Analytical Chemistry Division Undergraduate Award (2005)
Department of Chemistry and Biochemistry Scholarship and Service Award (2004 and 2005)
Appearances on the Dean's List (2002-2005)

Leadership Positions:

President (2003-2004 and 2004-2005) and four year member of the University of Northern Iowa ACS – Student Affiliates
Captain of team UNI for NASA Reduced Gravity Student Flight Program (2004-2005)
Senator on Northern Iowa Student Government (2002 and 2003).
Member of Department of Chemistry Faculty Search Committee (2005).
Member of UNI Student Computing Fee Committee (2005)

2005 - Present University of Wisconsin-Madison Madison, Wisconsin
Ph.D. program in Analytical Chemistry

Researching in the Laboratory of Molecular and Computational Genomics headed by David C. Schwartz, Ph.D.

Award:

Genomic Sciences Training Program Predoctoral Traineeship (2006-2008)

CHEMISTRY EXPERIENCE

Jan. 2003 – May 2005 Undergraduate Research Experience Cedar Falls, Iowa

- Investigated gas phase reactions using a Fourier Transform- Ion Cyclotron Resonance Mass Spectrometer.
- Studied the possible reaction mechanisms and products of simple sugars and the like forming cycloalkenes under Curtiss Hanson, Ph.D.

May 2003 – May 2005 TestAmerica Analytical Testing Corporation Cedar Falls, Iowa

- Extraction of various types of pollutants from various matrices, such as soil and

water, using various separation techniques.

- Developed and executed sample preparatory protocols.
- Various quality control procedures.

Jan. 2002 – May 2005 Student Laboratory Assistant Cedar Falls, Iowa

- Position, at the university, advising students participating in laboratory experiments.
- Making standards and other chemicals needed for the laboratory procedures
- Handling and disposal of hazardous materials.
- Facilitate student learning through discovery.

Summer 2004 Teaching Assistant Cedar Falls, Iowa

- Taught high school students basic chemical concepts through the UpwardBound Math and Science summer program.

Summer 2002 Undergraduate Research Experience Cedar Falls, Iowa

- Operated a High Performance Liquid Chromatograph monitoring levels of atrazine and other chemicals used as pesticides and fertilizers in local lakes and wetlands.
- Developed a method for Solid Phase Extraction for these compounds.
- Investigated the ability of bacteria housed on wood chips to reduce nitrates in water using Ion Chromatography. Advised by Dr. Duane Bartak.

PRESENTATIONS

- 37th Midwest Regional Meeting of the American Chemical Society. Lawrence, KS. 2002. Poster entitled “Biochemical reduction of nitrate levels in water systems by bacteria in decomposing organic matter.”
- 225rd National Meeting and Exposition of the American Chemical Society. New Orleans, LA. 2003. Poster entitled “Biochemical reduction of nitrate levels in water systems by bacteria in decomposing organic matter.”
- 227th National Meeting and Exposition of the American Chemical Society. Anaheim, CA. 2004. Poster entitled “Gas phase formation of cyclohexene from pyranose.”
- 229th National Meeting and Exposition of the American Chemical Society. Anaheim, CA. 2005. Poster entitled “Analysis of vibrational mode coupling of tone wood using two dimensional correlation experiments.”
- Biology of Genomes. Cold Spring Harbor, NY. 2007. Poster entitled “Nanogenomics”.

REFERENCES

David C. Schwartz, Ph.D. Kellett Professor of Chemistry and Genetics
(608) 265-0546 University of Wisconsin-Madison
dcschwartz@facstaff.wisc.edu 5434 Biotechnology Center

425 Henry Mall

Madison, WI 53706

Curtiss Hanson, Ph.D.

(319) 273-2435

curtiss.hanson@uni.edu

Professor of Chemistry

University of Northern Iowa

McCullum Science Hall 293 Cedar Falls, IA 50614-0423

Paul E. Rider, Ph.D.

(319) 273-2437

paul.rider@uni.edu

Professor of Chemistry

University of Northern Iowa

McCullum Science Hall 291 Cedar Falls, IA 50614-0423

Ira Simet, Ph.D.

(319) 273- 2130

ira.simet@uni.edu

Professor of Chemistry

University of Northern Iowa

McCullum Science Hall 207 Cedar Falls, IA 50614-0423