

Jane K. Naberhuis, B.S.

Division of Nutritional Sciences
University of Illinois at Urbana-Champaign
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Education

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| 2010-Present | Masters in Nutritional Sciences University of Illinois at Urbana-Champaign GPA: 4.0 Research: Nutrition and Gastrointestinal Physiology |
| 2006-2010 | Bachelor of Science in Biomedical Science, Minor in Chemistry Grand Valley State University, Allendale, MI GPA: 3.85 |

Research Experience

Graduate Research Assistant, 2010-Present

University of Illinois at Urbana-Champaign, Division of Nutritional Sciences

Advised by Kelly Tappenden, Ph.D., R.D.

- Utilize molecular techniques to analyze and quantify RNA, DNA, and protein content as well as enzyme activity, histology and immunohistochemistry of *in vivo* samples
- Analyze data using SAS, interpret results and communicate findings
- Prepare animal study protocols for Institutional Animal Care and Use Committee approval
- Create and manage research budget for surgical piglet model experiment
- Aid in short bowel syndrome piglet model experiments through preparation of surgical instruments, monitoring of piglets while under anesthesia and sample collection
- Prepare and administer parenteral and enteral nutrition formulas
- Assist in management of animal husbandry of short bowel syndrome piglets on parenteral nutrition

Undergraduate Research Assistant, 2009-2010

Grand Valley State University, Department of Biomedical Science

Advised by Steven Nizielski, Ph.D.

Project: Changes in expression of genes controlling adipose tissue cell proliferation and metabolism in response to aging and endurance exercise training in rats.

- Performed literature review
- Isolated and quantified RNA

- Utilized real time polymerase chain reaction analysis with SYBR green detection of amplified products to determine relative changes in mRNA expression in response to training and aging

Teaching Experience

Teaching Assistant, 2008-2009

Department of Biomedical Science, Grand Valley State University
Biomedical Science 291, Human Physiology Laboratory

- Coordinated and prepared laboratory experiments, equipment, supplies and reagents
- Demonstrated proper technique and usage of equipment
- Answered questions and provided troubleshooting assistance
- Wrote and proctored exams, graded student lab reports
- Delivered two pre-laboratory lectures as invited by course instructor
Lectures addressed renal and respiratory physiology. Each lecture was approximately thirty minutes in length and covered mechanisms involved in maintenance of homeostasis as well as recognition of abnormalities that may present clinically.

Certifications

The Illinois Certificate in Business Administration for Scientists, Spring 2011

Sponsored by the Biotechnology Center, in cooperation with the College of Business, designed for graduate students in non-business areas of study.

Selected Scholarships, Honors and Awards

University Fellowship, 2010-2011

Awarded to attract and support the best graduate students.

Abbott Nutrition Scholarship for Certificate in Business Administration, Spring 2011

Supports student completion of the Certificate in Business Administration.

I am Grand Valley Leadership Award, 2010

Given in recognition of student leaders who are essential elements of the University community.

Presidential Scholarship and Award for Excellence Scholarship, 2006-2010

Awarded annually on the basis of high achievement as demonstrated by GPA and degree progression.

Michigan Merit Award Scholarship, 2006

Awarded to graduating high school seniors on the basis of academic merit.

Committee Work at the University of Illinois

Co-Chair, Nutritional Sciences Graduate Student Association (NSGSA), 2011-Present

Supervision of various committee activities within NSGSA
Automatic succession to Chair following service as Co-Chair

NSGSA Planning Committees

Nutrition Symposium, 2010-Present
Fundraising, 2010-Present

Society Memberships

American Society for Biochemistry and Molecular Biology, 2008-Present

American Society for Nutrition, 2011-Present