Catherine Victoria Shehan

catherine.shehan@gmail.com
(219)-226-5136
625 East Waring Avenue, State College, PA 16801

Education

Pennsylvania State University (State College, Pennsylvania) **Anticipated December 2014**
Masters of Science in Food Science
GPA: 3.58/4.00
Thesis Title*: Moderators of the Relationship Between Food Liking and Intake in Children*
Committee: Dr. Kathleen Keller, Dr. John Hayes, and Dr. Joshua Lambert

Purdue University (West Lafayette, Indiana) **May 2012**
Bachelor of Science in Food Science, Minor in History
University Honors Program Student
GPA: 3.49/4.00

University of Adelaide (Adelaide, Australia**)** **February – June 2010**
International Exchange Student

Research and Industry Experience

Graduate Research Assistant (Pennsylvania State University) **August 2012- Present**

- Developed measures to evaluate nutrition knowledge and label reading skills
- Conducted interviews with young children about food preferences
- Mentored three undergraduate research assistants
- Used targeted recruiting to find families from diverse socioeconomic backgrounds
- Fielded quantitative study on dairy fat preference using Compusense5

Research and Development Intern (General Mills - Golden Valley, MN) **May – August 2012**

- Organized and fielded a major consumer sensory test for a flagship Yoplait product
- Determined a target fruit texture for yogurt products
- Developed analytical and sensory method toolbox for assessing fruit quality in yogurt products
- Ran team tastings to evaluate a variety of fruit ingredients
- Compared sensory and analytical methods for analysis of fruit products
- Participated in multiple community outreach and volunteer events

Sensory Lab Technician (Purdue Food Science Department) **January – April 2012**

- Prepared food samples for consumer sensory tests
- Conducted multiple quantitative sensory tests on a daily basis using Compusense5
- Assisted with implementing food safety improvements in prep kitchen

Research Assistant (Purdue University Nutrition Department) **August 2011- February 2012**

- Assisted with behavioral research investigating of effects of food form on satiety and food consumption
- Assisted with clinical research investigating effects of almond consumption on chronic disease risk factors
- Prepared test meals and samples for study participant lab visits and home use
- Collected and analyzed interview-based food intake recall data
- Took anthropometric measurements, including body composition using BodPod
- Isolated and prepared blood serum samples for analysis

Catherine Victoria Shehan

catherine.shehan@gmail.com
(219)-226-5136
625 East Waring Avenue, State College, PA 16801

Quality Innovation Intern (PepsiCo Global R&D – Barrington, IL) **May - August 2011**

- Developed training and education materials for new products and procedures
- Evaluated sensory quality of Gatorade products from internal and co-packer plants
- Improved reliability and reproducibility of quality measures for Gatorade products
- Assisted with quality system improvement planning using FMEA and Lean
- Participated in local volunteer events and community outreach programs

Research Assistant (Purdue Food Science Department) **August 2008 - April 2012**

- Researched effects of oceanic pressure on bioreporter bacteria
- Researched the use of bioremediation as an oil spill cleanup strategy
- Presented research to academic as well as industry audiences on multiple occasions
- Prepared media and materials for research and teaching lab

Teaching, Outreach, and Extension Experience

FDSC 410 Teaching Assistant (PSU Food Science Department, University Park PA) **January - May 2014**

- Delivered lectures on statistical/analytical concepts for an upper division Food Analysis class
- Led weekly laboratory practical sessions and office hours
- Organized and led pre-exam review sessions
- Graded exams and addressed student grade disputes
- Identified struggling students and brought them to the attention of the instructor

Youth Activity Leader (PSU Graduate Women In Science, University Park PA) **August 2012- Present**

- Assisted in the planning of STEM-related outreach events for local Girl Scout troops
- Led hands-on learning activity workshops about biology, chemistry, and nutrition
- Encouraged young women to pursue STEM-related career paths

Graduate Assistant (Children's Eating Behavior Lab, University Park PA) **August 2012- Present**

- Mentored multiple undergraduate research assistants working on their honors theses, teaching them about research methods, data analysis and interpretation
- Explained food science concepts to nutrition students to enhance their research
- Developed interactive training materials and led tours for dietetic interns as part of their training on nutrition assessment.

FarmFest Children's Area Volunteer (Pennsylvania Certified Organic, Centre Hall PA) **August 2013**

- Taught children about chemical and physical properties of water and its role in the body/ecosystem
- Discussed healthful food choices with a children ranging from toddlers to preteens
- Led age-appropriate hands-on activities to develop children's interest and understanding
- Assisted with leading games, activities, and face painting

Tutor (Purdue Athletics Department, West Lafayette IN) **September 2011- May 2012**

- Tutored university student-athletes in various subjects including biology, microbiology, chemistry and mathematics in individual and group settings
- Worked with student-athletes to develop strategies to maximize academic achievement while maintaining optimal athletic performance

Catherine Victoria Shehan

catherine.shehan@gmail.com
(219)-226-5136
625 East Waring Avenue, State College, PA 16801

Volunteer Educator (Food For Good, Chicago IL) **August 2011**

- Delivered nutritious lunches to children in underserved areas of Chicago, Illinois
- Taught children about identifying, choosing, and eating nutritious foods
- Led games to encourage physical activity among youth

Service Learning Student (International Food Technology Center, West Lafayette IN) **January - May 2011**

- Coordinated with Habitat For Humanity to conceptualize and develop solutions for easing simultaneous malnutrition and agricultural waste problems in the Haitian Central Plateau
- Developed cost-effective mango drying systems for use in Haiti

Envoy (Purdue Food Science Department, West Lafayette IN**)** **April 2009 - May 2012**

- Developed interactive sensory and food science lessons for community outreach events
- Organized and led hands-on learning activities for elementary school students and their families
- Provided tailored building and campus tours for prospective students and other department visitors
- Mentored multiple freshmen students, helping them adjust to their first year of college
- Assisted multiple international students with their transition to the United States

Certifications and Training

Principles of HAACP Certification	**January 2014**
ServSafe Food Protection Manager Certification	**September 2012**
Stewards of Children Sexual Abuse Prevention Training	**October 2012**
Bloodborne Pathogens Safety Training	**August 2012**
CITI Human Subjects Protection Training	**August 2012**

Presentations

Conference Talks

"Parents' reported food preparation time is inversely associated with energy density of children's *ad libitum* laboratory meals" C. Shehan, H. Schlechter, T. Cravener, J. Hayes, and K. Keller; 22nd Annual Meeting of the Society for the Study of Ingestive Behavior. Seattle, WA. Planned for August 2014.

Posters

"Effects of Parental Nutrition Knowledge on Children's Weight Status and Food Intake in a Laboratory Setting." C. Shehan, H. Schlechter, T. Cravener, J. Hayes, and K. Keller; *Pennsylvania State University Graduate Exhibition*, University Park, PA. April 2014.

"The Effect of Pressure on Bioluminescent Reporter Strains" C. Shehan, E. Duarte Gómez, F. San Martín Gonzalez, B. Applegate; American Society for Microbiology General Meeting. New Orleans, LA. May 2011.

"The Effect of Pressure on *Pseudomonas fluorescens* 5RL" C. Shehan, E. Duarte Gómez, F. San Martín Gonzalez, B. Applegate; *Discovery Park Student Poster Session,* West Lafayette, IN. April 2011.

Catherine Victoria Shehan

catherine.shehan@gmail.com
(219)-226-5136
625 East Waring Avenue, State College, PA 16801

Peer Review Experience

Conference Paper Reviewer -CHI2013 – Changing Perspectives (Paris, France) **April 2013**

Professional Society Memberships

American Academy for the Advancement of Science **February 2014 - Present**
Society for the Study of Ingestive Behavior **March 2014 - Present**
Society of Sensory Professionals **October 2013- Present**
Institute of Food Technologists **August 2009- Present**

Select Awards and Honors

AAAS/ *Science* Excellence in Science Sponsorship **February 2014**
Robert W. Graham Endowed Graduate Fellowship **August 2012**
IFT College Bowl Competition National Finalist **June 2012**
Kellogg Scholarship **July 2011**
IFT Feeding Tomorrow Scholarship **May 2011**
Agriculture Future of America Conference Delegate **November 2010**
Grand Cru Medal **May 2010**
Purdue University Trustees Scholarship **August 2008**
Agriculture Award of Excellence **August 2008**