

HANNAH D. HOLSCHER, R.D., L.D.N.

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

- 2007 - Present **Doctoral Student in Nutritional Sciences**
University of Illinois at Urbana-Champaign, Urbana, Illinois
Grade Point Average: 3.86/4.00
Anticipated Graduation: 2012
Advisor: Kelly Tappenden, Ph.D., R.D.
Thesis Research: The Effect of a Probiotic or Prebiotic Containing Infant Formula on Local Markers of Immunity, Inflammation and Gut Health
- 2006 - 2007 **Dietetic Internship Program**
Ingalls Memorial Hospital
Harvey, Illinois
- 2002 - 2006 **Bachelor of Science (Food Science and Human Nutrition)**
With High Honors
University of Illinois at Urbana-Champaign, Urbana, Illinois
Grade Point Average: 3.61/4.00

RESEARCH EXPERIENCE

- 2007 – Present **Graduate Research Assistant: Gastrointestinal Physiology and Nutrition Laboratory of Kelly Tappenden, Ph.D., R.D.**
- Write experimental procedures for human clinical research protocol, aid in editing protocol, coordinate IRB approvals, and facilitate appropriate laboratory safety certifications
 - Create and manage a \$112,000 research budget for sample collection and research experiment supplies, equipment usage fees, and labor
 - Develop, validate, and conduct research experiments such as ELISA, qPCR, and gas chromatography (GC/MS) to analyze effects of infant formulas—immunity, microbial populations and short chain fatty acid profiles
 - Analyze data through use of SAS 9.1.3, interpret results, and communicate findings during meetings through figures and tables
 - Aid in manuscript preparation: statistical analysis, table/figure preparation, and editing
 - Supervise 3 undergraduate students by demonstrating research techniques, facilitating data collection /input, and ensuring appropriate safety training
 - Mentor Research Apprentice Program II (RAP II) student for 7 weeks
 - Aid in short bowel syndrome piglet model experiments by preparing parenteral and enteral nutrition formulas and assisting in animal euthanization/sample collection

TEACHING EXPERIENCE

Fall 2008 - present

Teaching Assistant (FSHN 420 Nutritional Aspects of Disease)

Department of Food Science and Human Nutrition
University of Illinois at Urbana-Champaign

- Collaborate with 3 professors to create course syllabus
- Develop and coordinate 10 discussion sections focused on facilitating literature reviews to evaluate evidence based medicine/practice on nutritional interventions for treating diseases, create weekly class objectives and materials, and recruit discussion leaders
- Teach lectures on gastrointestinal physiology and selected GI disorders to class of 50-60 junior, senior, and graduate nutrition students
- Hold weekly office hours and conduct exam review sessions
- Write and grade quizzes, exams, and term papers
- Manage course website including timely posting of lecture materials, review worksheets, grades, and announcements

Spring 2009

Discussion Leader (FSHN 220 Principles of Nutrition)

Department of Food Science and Human Nutrition
University of Illinois at Urbana-Champaign

- Write comprehensive discussion section syllabus
- Facilitate engaging conversations between the 5 sophomore and junior students about specific nutrition topics such as nutrition labeling, supplements, world hunger, and biofuels
- Grade quizzes and review homework

INVITED LECTURES

Food Science and Human Nutrition 421, Pediatric Clinical Nutrition

Taught one 2 hour lecture on Gastrointestinal Disorders to over 30 junior, senior, and graduate nutrition students. April 2009

Lectured on physiological, biochemical and nutritional aspects of disease processes related to the gastrointestinal tract relevant to infants, children and adolescents. Topics covered included constipation, diarrhea, lactose intolerance, inflammatory bowel disease, and short bowel syndrome. The role of nutrition in prevention, management and treatment of disease was covered.

Food Science and Human Nutrition 220, Principles of Nutrition

Taught lecture on Probiotics to over 60 sophomore, junior, senior, and graduate students with both nutrition and non-nutrition backgrounds. March 2008

Lecture focused on gastrointestinal physiology, the microbiota, and the history, sources, and efficacy of probiotics.

Food Science and Human Nutrition 420, Nutritional Aspects of Disease

Taught lecture on Irritable Bowel Syndrome and Diverticular Disease over 50 junior, senior, and graduate nutrition students. November 2008

Lectured on the nutritional, biochemical, and physiological aspects of IBS and Diverticular Diseases. Topics covered included the role of nutrition in prevention, management, and treatment of these diseases.

PROFESSIONAL EXPERIENCE

- 2007-2009 **Nutrition Department Manager/Nutrition Coach**
Gold's Gym, Champaign, IL
- Developed, launched, and managed nutrition consulting program
 - Supervised 2 dietitians, coordinated scheduling of nutrition assessments, and provided nutrition counseling sessions to help clients meet nutritional needs
 - Worked with Gold's Gym management team and local businesses to provide a 12 week weight loss challenge with incentives for gym clients
- 2005-2006 **Dietetic Technician**
Carle Foundation Hospital, Champaign, IL
- Consulted with patients for proper meal selections according to nutritional needs
 - Responsible for knowledge of diets including renal, cardiac, diabetic, and bariatric
- Summer 2004 **Dietetic Intern Camp Joslin**
Joslin Diabetes Center/Harvard Medical School Affiliate, Boston, MA
- Consulted with campers and parents to perform nutrition assessments, review food diaries, chart food allergies, and educate on appropriate diets
 - Managed a \$50,000 food procurement account over a 10 week period
 - Responsible for all areas of food service: plan menus, order food, keep purchasing records, supervise storage, maintain budget, and enforce sanitary standards
 - Taught carbohydrate counting and exchange program to staff and campers

SCHOLARLY SERVICE WITHIN UNIVERSITY OF ILLINOIS

Department of Food Science and Human Nutrition

Search Committee, Assistant/Associate Professor of Nutrition, 2009

Nutritional Sciences Graduate Student Association

Planning Committee, Nutrition Symposium, 2009

LEADERSHIP WITHIN UNIVERSITY OF ILLINOIS

Chair, Nutritional Sciences Graduate Student Association, University of Illinois 2009-present

Co-Chair, Nutritional Sciences Graduate Student Association, University of Illinois 2008-2009

Member Education and Academics Advisor, Chapter Advisory Board, Kappa Delta Sorority 2008-present

Vice President New Member Education, Kappa Delta Sorority, University of Illinois 2004-2005

Activity Coordinator, Student Dietetic Association, University of Illinois 2003-2005

SELECTED HONORS, SCHOLARSHIPS AND AWARDS

University of Illinois List of Teachers Ranked As Excellent by Their Students

Received for teaching FSHN 420 (2008) and FSHN 220 (2009) based on Instructor and Course Evaluation questionnaire forms (top 10% of Teaching Assistants) maintained by the Center of Teaching Excellence.

Gamma Sigma Delta Honor Society, 2007

University of Illinois, College of Agricultural, Consumer, and Environmental Sciences

Jonathan Baldwin Turner Scholarship, 2002-2006

Awarded to incoming College of ACES freshman graduating in the top 10% of their class, renewed annually for a cumulative grade point average of at least 3.40.

Illinois General Assembly Scholarship, 2004-2006

Awarded to full-time student attending the University of Illinois who demonstrates leadership and outstanding scholastic achievement.

INVITED TEACHING-RELATED ACTIVITIES

1. Eat to Live, Not Live to Eat. Sigma Phi Epsilon, Champaign, IL, February 2008.
2. Caring for Aging Parents. Faith United Methodist Church, Champaign, IL, November 2008.
3. Navigating the Food Guide Pyramid. The Harbour, Des Plaines, IL, March 2007.
4. Shopping and Cooking on a Budget. Shepherd's House, Manhattan, IL. April 2007.
5. Advancements in Diabetes Management, Inhaled Insulin. Innovative Concepts in Nutrition Workshop. Ingalls Memorial Hospital, Harvey, IL, February 2007.
6. Building Stronger Bones. Illinois Extension, Champaign, IL, November 2004.

REFERENCES

Kelly A. Tappenden, Ph.D., R.D. (Thesis Research Advisor)
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Manabu T. Nakamura, D.V.M., Ph.D (Lead Instructor FSHN 420)
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