

CURRICULUM VITAE

LONG WANG, PH.D., M.Med.

Dept. of Public Health, Foods Studies and Nutrition
David B. Falk College of Sport & Human Dynamics
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ACADEMIC/PROFESSIONAL APPOINTMENTS

- 07/2011~ **Professor of Practice, Nutrition**
Department of Public Health, Foods Studies and Nutrition, Syracuse University,
Syracuse, NY
- 08/2010~06/2011 **Professor of Practice**
Department of Nutrition Science and Dietetics, Syracuse University, Syracuse, NY
- 08/2008~08/2010 **Assistant Professor**
Department of Nutrition Science and Dietetics, Syracuse University, Syracuse, NY

EDUCATIONAL BACKGROUNDS

Degrees

- 2007 **Ph.D.** in Foods and Nutrition, Purdue University, West Lafayette, IN
Co-Advisors: Jon A. Story and Shawn S. Donkin
- 2000 **Master of Medicine**, Hebei Medical University, Shijiazhuang, China
Advisor: Zhou, Dao-An
- 1997 **Bachelor of Medicine (M.D. equivalent)**, Hebei Medical University,
Shijiazhuang, China

Other Credentials

- Registered ServSafe Proctor**, National Restaurant Association
Certificate, ServSafe Food Safety, National Restaurant Association
CPR, American Red Cross, 2006, 2008, 2010
Certificate, Applied Management Principles, the Krannert Graduate School of
Business, Purdue University, West Lafayette, IN

Other Training

- 09/2009 Sports Nutrition Workshop, Cornell University, Ithaca, NY
- 06/2007-06/2008 **Postdoctoral Scholar**, Department of Medical Pathology and Laboratory
Medicine, University of California at Davis Medical Center, Sacramento, CA
- 09/2005~05/2006 **Intern**, Nestle Research Center, Lausanne, Switzerland
- 10/1999~07/2000 **Resident**, Department of Radiation Oncology and Radiotherapy, Hebei Cancer
Hospital, Shijiazhuang, China
- 04/1999~09/1999 **Resident General**, Department of Radiation Oncology and Radiotherapy,
Hebei Cancer Hospital, Shijiazhuang, China
- 07/1998~03/1999 **Resident**, Department of Radiation Oncology and Radiotherapy, Hebei Cancer
Hospital, Shijiazhuang, China

CURRENT PROFESSIONAL AFFILIATIONS

Member

Academy of Nutrition and Dietetics (Formerly American Dietetic Association)

- New York Dietetic Association
- Central New York Dietetic Association
- Chinese Americans in Dietetics and Nutrition
- National Organization of Men in Nutrition
- National Organization of Blacks in Dietetics and Nutrition

Society for Nutrition Education

- Higher Education Division
- International Nutrition Education Division

American Society for Nutrition

Executive Advisor/Group Education Advisor, Endgame Nutrition, Seattle, WA

Faculty Affiliate, Syracuse University Gerontology Center, Syracuse, NY

Leadership Activities

- 2011~ ***Treasurer***, Chinese Americans in Dietetics and Nutrition

AWARDS AND HONORS

2006 Bilsland Dissertation Fellowship, Purdue University, West Lafayette, IN

2002 A. H. Ismail Interdisciplinary Doctoral Travel Grant Award, Purdue University, West Lafayette, IN

2000 Special Initiative Fellowship, Purdue University, West Lafayette, IN

2000 Excellent Graduate Student Award, Hebei Medical University, Shijiazhuang, China

1998 Excellent Graduate Student Award, Hebei Medical University, Shijiazhuang, China

GRANT ACTIVITIES

07/2009~07/2010 To investigate the effect of nonnutritive sweeteners and their metabolites on body weight and body composition and delineate the mechanism of function: literature review and a pilot study using an animal model

Role: PI Amount: \$5,000

The Research Center at College of Human Ecology, Syracuse University

RESEARCH EXPERIENCE

06/2007-06/2008 **University of California at Davis Medical Center, Department of Medical Pathology and Laboratory Medicine**

- Led a project funded by the American Diabetes Association investigating the impact of therapeutic life style change in metabolic syndrome
- Recruited and screened volunteers
- Performed bench work including monocyte isolation and subsequent assays, EPC culture and subsequent assays, adipose tissue culture
- Coordinated various involved including physicians, dieticians, exercise physiologists, and research scientists
- Modified protocols and communicated with IRB

- Prepared abstracts for presentation at conferences

09/2005~05/2006 Nestle Research Center, Lausanne, Switzerland

- Took charge in animal experiment in project on obesity and insulin resistance (Project number: RDLs-300112, *Benefits of Protein in Liver Metabolism*)
- Created an animal model of diet induced obesity
- Coordinated various activities in the project and gave updates periodically
- Isolated liver RNA for microarray analysis
- Analyzed blood samples for metabolites and hormones
- Measured whole body composition of living animals using NMR based analyzer
- Contributed to another project by investigating substrate specificity and time-course studies of human α -glucosidase

08/2000~05/2007 Purdue University, Department of Foods & Nutrition

- Responsible for animal studies investigating the functionality of milkfat naturally enriched with DHA and CLA on growing Sprague Dawley rats
- Responsible for cell culture studies investigating the effects of DHA and CLA on hepatic gene expression
- RNA isolation from hepatic and adipose tissues, Northern blot analysis, and RT-PCR
- Preparation of manuscripts and scientific presentations at professional conferences
- Supervision of undergraduate workers

06/2006~11/2006 Purdue University, A.H. Ismail Fitness Center

- Recruited, trained, and supervised senior participants in a resistance training project (*The Effects of High-Velocity Training on Function in Older Adults*)
- Performed tests on balance, motor function, mental status, and maximal strength
- Gave presentations on geriatric nutrition and cardiovascular health

07/1998~07/2000 Hebei Cancer Hospital, Department of Radiation Oncology & Radiotherapy, Shijiazhuang, China

- Led a clinical study investigating the effect of late-course accelerated hyperfractionation radiotherapy concomitant with cis-platin as sensitizer on the immunocompetence in patients with esophageal cancer

TEACHING EXPERIENCE

Syracuse University (as Instructor), 08/2008~

NSD 456 Nutritional Biochemistry	(Fall 2008~)	4 credits
NSD 505 Nutritional Biochemistry Overview	(Fall 2008~)	1 credit
NSD 466 Advanced Nutrition	(Spring 2009~)	3 credits
NSD 666 Metabolism	(Fall 2009~)	3 credits
NSD 225 Nutrition in Health	(Spring 2010, Spring 2011)	3 credits
NSD 665 Vitamins and Minerals	(Spring 2011~)	3 credits
NSD 695 Nutritional Status Assessment	(Spring 2012~)	3 credits

Purdue University (as Teaching Assistant), 08/2001~ 12/2005

F&N 315 Fundamentals of Nutrition	3 credits
F&N 453 Food Chemistry	3 credits
Indiana High School Agriculture Teachers Workshops Food Science Hands-on Labs	

SERVICE

Student Mentoring and Advising Academic Advisor

08/2008~ Undergraduate students majoring in Nutrition Science

Member of Advisory Committee

12/2010~ Amanda Hamilton, M.S. student, Department of Nutrition Science and Dietetics, Syracuse University

08/2010~ Amy Bidwell, Ph.D. candidate, Department of Exercise Science, Syracuse University

Graduate School Representative, Chair of Oral Examination Committee

12/2011 Patrick Cowley, Ph.D Candidate, Department of Exercise Science, Syracuse University

02/2010 Xingyu She, Ph.D. Candidate, Department of Biology, Syracuse University

01/2010 Ruth Franklin, Ph.D. Candidate, Department of Exercise Science, Syracuse University

University Service At Department Level

12/2011~ **Member**, Search committee for academic advisor in Nutrition Science and Public Health

12/2010~05/2011 **Member**, Search committee for DPD director

10/2010~03/2011 **Member**, Search committee for tenure-track faculty

11~12/2010 **Member**, Search committee for office coordinator

01~05/2010 **Member**, Search committee for tenure-track faculty

10~12/2009 **Member**, Search committee for office coordinator

08/2008~ **Member**
Curriculum/Accreditation Committee
Graduate Admission Committee
Student Awards Committee
Strategic Planning Committee

01/2009 **College Representative**
Presentation by a candidate for Director of Academic Integrity Office, Syracuse University

01/2009 **Interviewer**
Faculty candidate in the Department of Exercise Science, Syracuse University

Media Contribution

11/2011 Genetically Modified Foods, *World Weekly*; 2011 (1444) 10~19

07/2011 MyPlate, *World Weekly*; 2011 (1425) 10~13

Professional Service

- 06/2011 **Book Proposal Reviewer**, *Integrative Nutrition*, Academic Press, Elsevier
01/2010 **Abstract Reviewer**, Society for Nutrition Education Annual Conference 2010, Reno, Nevada
01/2010 **Book Reviewer**, *Everyday Nutrition*, Jones & Bartlett Publishers

Community Service

- 09/2011~ **Volunteer**, The Living Room- Liberty Resources, Syracuse, NY
09~2011~ **Volunteer**, St. Camillus Health and Rehabilitation Center, Syracuse, NY
04/2011~ **Pro Bono Nutritionist**, KidsFirst, Roseville, CA
05~06/2011 **Volunteer**, Metro CareRing, Denver, CO
02~04/2011 **Volunteer**, Cornell Corporate Extension, Syracuse, NY
05/2010 **Volunteer**, Packing Food for Haiti, Salvation Army, Syracuse, NY
01/2009 **Chinese Interpreter**, James Square Health & Rehabilitation Center, Syracuse, NY

PUBLICATIONS AND MANUSCRIPTS

Long Wang, Jason Rockwood, Danielle Zak, Sridevi Devaraj, Ishwarlal Jialal. Simvastatin Reduces the Circulating Activity of Plasminogen Activator Inhibitor 1 in Volunteers with the Metabolic Syndrome. *Metabolic Syndrome & Related Disorders 2008 Summer; 6(2):149-52.*

Long Wang. Benefits of dietary protein in liver metabolism, *Nestlé Research Center, Lausanne, Switzerland, May 2006*

Qiao Xue-ying, Zhou Dao-an, Gao Xian-shu, **Wang Long**, Wan Jun. Clinical study on late course accelerated hyperfractionation radiotherapy concomitant with cisplatin in the treatment of esophageal carcinoma. *September 2005, Chinese J. Radiation Oncology 14 (5): 395-397*

Zou Daoan, Wang Jun, Qiao Xueying, **Wang Long**, Ma Guoxin, Xiao Aiqin. Impact on immunocompetence by late course accelerated hyperfractionation radiotherapy assisted with cisplatin in the treatment of esophageal carcinoma. *September 2002, Chinese J. Radiation Oncology 11 (3): 165-67.*

ABSTRACTS

Long Wang, Andreas Fuerholz, Marie Camille Zwahlen, Robert Mansourian, Frédéric Raymond, Mireille Moser, Katherine Macé, Chieh Jason Chou. Metabolic benefits of dietary protein, a microarray study in high fat diet-induced obese mice. *The 68th Scientific Session, American Diabetes Association 2008, San Francisco, CA*

Long Wang, Uma Singh, Sridevi Devaraj, Ishwarlal Jialal. Vascular Dysfunction in Metabolic Syndrome. *International Symposium on Inflammation, University of California, Davis, April 2008*

Long Wang, Jason Rockwood, Danielle Zak, Sridevi Devaraj, Ishwarlal Jialal. Simvastatin (40mg/day) reduced the activity of circulating plasminogen activator Inhibitor 1 in volunteers with metabolic syndrome. *Experimental Biology 2008, San Diego, CA*

Long Wang, Mi Zou, Stephanie L. Koser, Jon A. Story, and Shawn S. Donkin. Individual and combined effects of docosahexaenoic acid, stearic acid, trans-vaccenic acid, and c9,t11-conjugated linoleic acid on hepatic gene expression. *FASEB J.*21 (6): 297, *Experimental Biology 2007, Washington, D.C.*

Long Wang, Burim N. Ametaj, Dale Bauman, Jon. A. Story, and Shawn S. Donkin. Milkfat naturally enriched with conjugated linoleic acid alters expression of genes for lipid metabolism in the liver, but not in adipose tissue in growing female rats.*FASEB J.* 2005 19(5): A1501, *Experimental Biology 2005, San Diego, CA*

Long Wang, Burim N. Ametaj, Jon A. Story, and Shawn S. Donkin. Milkfat naturally enriched with docosahexaenoic acid alters expression of genes for lipid metabolism in growing female rats. *FASEB J.* 2004 18 (4): A505, *Experimental Biology 2004, Washington, D. C.*

Long Wang, Burim N. Ametaj, Stacie A. Crowder, Jon A. Story, and Shawn S. Donkin. Milkfat naturally enriched with docosohexaenoic acid: A functional food alternative for dietary n-3 fatty acids. *Tri-State Dairy Nutrition Conference 2004, Fort Wayne, IN*

Long Wang, Jon A. Story, Kimberly Buhman, Diane E. Moody, and Shawn S. Donkin. Effect of psyllium on gene expression in rat liver: a microarray approach. *FASEB J.* 2003 17 (5): A1162 *Experimental Biology 2003, San Diego, CA*

PRESENTATIONS AND INVITED LECTURES

Long Wang. Adolescent Nutrition, *NSD 342 Nutrition in the Life Span, Syracuse University, October 2011*

Long Wang. The Digestive System, *NSD 225 Nutrition in Health, Syracuse University, September 2011*

Long Wang. Medical Nutrition Therapy of Hypertension, *NTR 401 Nutrition Therapy I, Department of Nutrition, Life University, Atlanta, GA, July 2011*

Long Wang. Oral Medications to Treat Type 2 Diabetes, *NTR 434 Pharmacology / Drug & Nutrient Interaction, Department of Nutrition, Life University, Atlanta, GA, July 2011*

Long Wang. Overview of Biological Contaminations. *Department of Health Professions, Metropolitan State College of Denver, March 2011*

Long Wang. Biomarkers of Inflammation. *NSD 695 Nutritional Status Evaluation, Department of Nutrition Science & Dietetics, Syracuse University, March 2011*

Long Wang. Hospitality Debate (Panelist) *HPM 101 Introduction to the Hospitality Industry, Department of Hospitality Management, Syracuse University, April 2010*

Long Wang. Biomarkers of inflammation. *NSD 695 Nutritional Status Evaluation, Department of Nutrition Science & Dietetics, Syracuse University, March 2010*

Long Wang. Evidence-based nutrition. *School of Applied Clinical Nutrition, New York Chiropractic College, December 2009*

- Long Wang.** Life as a researcher (Panelist). *NSD 654 Graduate Research Methods, Department of Nutrition Science & Dietetics, Syracuse University, September 2009*
- Long Wang.** Life as a researcher (Panelist). *NSD 476 Nutrition Seminar, Department of Nutrition Science & Dietetics, Syracuse University, September 2009*
- Long Wang.** Inflammation markers. *NSD 695 Nutritional Status Evaluation, Department of Nutrition Science & Dietetics, Syracuse University, March 2009*
- Long Wang.** Immune system, diet, and inflammation. *NSD 666 Metabolism, Department of Nutrition Science & Dietetics, Syracuse University, November 2008*
- Long Wang.** Life as a researcher (Panelist). *NSD 476 Nutrition Seminar, Department of Nutrition Science & Dietetics, Syracuse University, September 2008*
- Long Wang.** Inflammation, Cellular Dysfunction, and Metabolic Syndrome. *Department of Nutrition Science & Dietetics, Syracuse University, April 2008*
- Long Wang.** Medical Nutrition Therapy for Cardiovascular Diseases. *Department of Nutrition Science & Dietetics, Syracuse University, April 2008*
- Long Wang.** Medical Nutrition Therapy for Diabetes. *Department of Health Professions, Metropolitan State College of Denver, February 2008*
- Long Wang.** A nutrition talk to seniors. *A. H. Ismail Fitness Center, Purdue University, April 2005*
- Long Wang.** Cardiovascular health, nutrition, and exercise. *AKA Sorority, Purdue University, February 2005*
- Long Wang.** Production of docosahexaenoic acid-enriched butter and evaluation of its biological effects. *Interdepartmental Nutrition Program, Purdue University, March 2004*
- Long Wang.** Mechanism of butyrate-induced protective effects against colon cancer. *Interdepartmental Nutrition Program, Purdue University, August 2002*