

NIH BIOGRAPHICAL SKETCH

NAME Mark D. Haub, Ph.D.		POSITION TITLE Associate Professor	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Fort Hays State University, Hays, KS	B.A.	1992	Psychology
University of Kansas, Lawrence, KS	M.S.	1996	Exercise Science
University of Kansas, Lawrence, KS	Ph.D.	1998	Exercise Metabolism
Univ. of Arkansas for Med. Sci., Little Rock, AR	Postdoc	2000	Geriatric Nutrition

A. POSITIONS AND HONORS. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

Professional Positions

- 1998 **Instructor**, Graduate Faculty, Department of Physical Education, University of Missouri - Kansas City, Kansas City, MO.
- 1998-00 **Research Fellow**, Donald W. Reynolds Center on Aging, Univ. of Arkansas for Medical Sciences.
- 1999 **Guest Lecturer**, Department of Nutrition and Dietetics, University of Arkansas for Medical Sciences.
- 2000 **Assistant Professor**, Department of Human Nutrition, Kansas State University, Manhattan, KS.
- 2006 **Associate Professor**, Department of Human Nutrition, Kansas State University
- 2007 **Assistant Department Head**, Department of Human Nutrition, Kansas State University
- 2011 **Interim Department Head**, Department of Human Nutrition, Kansas State University
- 2015 **Professor**, Department of Human Nutrition, Kansas State University
- 2016 **Department Head**, Department of Food, Nutrition, Dietetics and Health, Kansas State University.

Honors and Awards

- 1996 **Outstanding Student Research Award**, American College of Sports Medicine, Central States.
- 1997 **Student Research Award**, Gatorade Sport Science Institute, Barrington, IL.
- 1998 **Wayne H. Osness Outstanding Doctoral Student Award**, Department of Health, Sport, and Exercise Sciences. University of Kansas.
- 2001 **Faculty Associate**, Center on Aging, Kansas State University.
- 2002 **Faculty Affiliate**, Terry C. Johnson Center for Basic Cancer Research, Kansas State University
- 2005 **Young Alumni Award**, Fort Hays State University
- 2006 **Tenure**, Kansas State University

SELECTED PEER-REVIEWED PUBLICATIONS (from 2010). Do not include publications submitted or in preparation.

- Al-tamimi EK, Snyder BS, Seib PA and MD Haub (2010). Consumption of Cross-linked Resistant Starch (RS_{4XL}) on Glucose and Insulin Responses in Humans. *J Nutr Metab*, doi: 10.1155/2010/651063.
- Haub MD, Hubach KL, Al-tamimi EK, Ornelas S and PA Seib (2010). Different types of resistant starch elicit different glucose responses in humans, *J Nutr Metab*, doi: 10.1155/2010/230501.
- Lattimer J and MD Haub (2010). Dietary Fiber and its Components on Metabolic Health, *Nutrients*, 2(12), 1266-1289.
- Yoo J, Adhikari K, Haub MD, and S Alavi (2011) Rice-Shaped Extruded Kernels: Physical, Sensory and Nutritional properties. *Int J of Food Properties*.
- Haub MD, Louk JA, and TJ Lopez (2012). Novel resistant potato starches on glycemia and satiety in humans. *J Nutr Metab*. doi: 10.1155/2012/478043
- Martínez I, Lattimer JM, Hubach KL, Case JA, Yang J, Weber CG, Louk JA, Rose DJ, Kyureghian G, Peterson DA, Haub MD, and Walter J (2013). Gut microbiome composition is linked to whole grain-induced immunological improvements. *ISMEJ*, 7(2):269-80. doi: 10.1038/ismej.2012.104.

7. Lin YH, Hanson JA, Strandjord SE, Salem NM, Dretsch MN, Haub MD, and JR Hibbeln (2014). Fast Transmethylation of Total Lipids in Dried Blood by Microwave Irradiation and its application to a population study. *Lipids*, Aug;49(8):839-51
8. Cull B, Lawler T, Rosenkranz R, Haub MD, and Rosenkranz S (2015). The Seated Inactivity Trial (S.I.T): Physical Activity and Dietary Outcomes Associated with Eight Weeks of Imposed Sedentary Behavior. *J Phys Act Health*, *in press*.
9. Brewer L, Weber C, Haub M, Cai L, and YC Shi (2105). Glycemic Responses and Fermentation of Crystalline Short Linear α -Glucans from Debranched Waxy Maize Starch. *J Agric Food Chem*, 63(43): 9528-35.
10. Sam R Emerson, Stephanie P Kurti, Brian S Snyder, Karthikeyan Sitaraman, Mark D Haub, Sara K Rosenkranz (2016). Effects of thirty and sixty minutes of moderate-intensity aerobic exercise on postprandial lipemia and inflammation in overweight men: a randomized cross-over study, *JISSN*, 13(1), DOI: 10.1186/s12970-016-0137-8.
11. Emerson SR, Haub MD, Teeman CS, Kurti SP, Rosenkranz SK. (2016). Summation of blood glucose and TAG to characterise the 'metabolic load index'. *Br J Nutr*. 116(9):1553-1563. DOI: 10.1017/S0007114516003585
12. Teeman CS, Kurti SP, Cull BJ, Emerson SR, Haub MD, Rosenkranz SK. (2016). Postprandial lipemic and inflammatory responses to high-fat meals: a review of the roles of acute and chronic exercise. *Nutr Metab (Lond)*.13:80. DOI: 10.1186/s12986-016-0142-6.

Research Support (relevant projects from 2008).

Haub MD and SK Rosenkranz (2012). Resistant Starch on Fermentation, Satiety and Insulin Sensitivity. Penford Foods, Inc. \$27,552

Haub MD and SK Rosenkranz (2012). Wheat Protein as an Ergogenic and Recovery Aid, MGP Ingredients, \$36,260

Turner N, Walter J, Weller C, Carr T, Rooney L, Awika J, and M Haub (2011). Metabolic Syndrome - Mitigation through Multisystem Effects of Dietary Exposure to Sorghum Bioactive Compounds, United Sorghum Check-off Program, \$199,982.

Haub MD, Shi YC, Bean SC, Herald TJ, and J Wilson (2010). Developing Healthy Foods from Sorghum II: Starch Digestibility and Glycemic Index of Sorghum-based Foods. United Sorghum Checkoff Program, \$44,000.

Walter J (PI) and MD Haub (2009). SustaGrain on Gut Microbiota and Glucose Metabolism in Humans. MAFMA and ConAgra, \$115,000.

Shi YC, Haub MD, Bean SC, Rooney L (2009). Developing Healthy Foods from Sorghums: Effect of phenolic compounds, starch digestibility and Glycemic Index on Nutritional Quality of Sorghum. United Sorghum Check-off Program, \$129,000.

Administration/Department Head – Responsible for 44 faculty and staff, the Sensory Analysis Center (across two campuses), Physical Activity and Nutrition Clinical Research Consortium, and three accredited programs (Athletic Training Program; the Coordinated Program and Didactic Program in Dietetics). Manage an annual budget of over \$4,000,000.

Make budgetary decisions regarding merit raises, reallocations, staff salaries, etc. Responsible for filling four (4) faculty positions in 2014, three (3) in 2015, and two (2) in 2016; and acquiring gifts via development efforts through the university foundation office.

Worked with others in the department to create a new Bachelor's Degree Completion Program at Kansas State University (2013). Enrollment increased 15% since fall of 2011. In 2015, helped navigate the movement of the dietetics program into one department, and we renamed the unit. Working developing new graduate programs in Athletic Training and Dietetics.

Continue to mentor graduate students and maintain a research program; and continue teaching about 3 credit hours per semester.