

CURRICULUM VITA

NAME: Allen W. Knehans

ADDRESS: College of Allied Health
The University of Oklahoma
Health Sciences Center
P.O. Box 26901
Oklahoma City, OK 73190
(405) 271-2113

2206 Bates Court
Norman, OK 73071
(405) 217-2625

EDUCATION:

PhD University of Missouri 1979
Nutritional Biochemistry
Thesis Title: The Effect of Plant Products on Cholesterol Metabolism and Gut Microflora in the Guinea Pig
Advisor: Boyd L. O'Dell

MS University of Missouri 1975
Agricultural Biochemistry
Thesis Title: Unrecognized Micronutrient for the Guinea Pig
Advisor: Boyd L. O'Dell

BS University of Missouri 1973
Agricultural Chemistry

PROFESSIONAL EXPERIENCE:

5/17 – present Dean
OU Health Sciences Center
College of Allied Health

5/17 – present Stuart Coulter Miller Professor
College of Allied Health

7/08 – present Chair
OU Health Sciences Center
Department of Nutritional Sciences

4/03 – present David Ross Boyd Professor
Department of Nutritional Sciences

7/97 - present Professor
OU Health Sciences Center
Department of Nutritional Sciences

7/06 – 6/08 Vice Chair
OU Health Sciences Center
Department of Nutritional Sciences

2/98 - 4/98 Acting Chair
OU Health Sciences Center
Department of Nutritional Sciences

7/97 - present	Adjunct Professor The University of Oklahoma - Norman Department of Health and Exercise Science
7/95 - 7/97	Adjunct Associate Professor OU Health Sciences Center College of Medicine - Department of Obstetrics and Gynecology
7/92 - 6/97	Associate Professor OU Health Sciences Center Department of Nutritional Sciences
7/92 - 6/97	Adjunct Associate Professor The University of Oklahoma - Norman Department of Health and Sport Sciences
8/89 - 6/92	Assistant Professor OU Health Sciences Center Department of Clinical Dietetics
9/82 - 7/89	Assistant Professor The University of Oklahoma - Norman School of Human Development
1/79 - 8/82	Research Associate Michigan State University Department of Food Science and Human Nutrition
1/74 - 1/79	Graduate Assistant University of Missouri-Columbia Biochemistry Department
1/74 - 12/76	Teaching Assistant Undergraduate and Graduate Biochemistry Labs - University of Missouri
1/72 - 12/73	Junior Research Technician University of Missouri-Columbia Agricultural Biochemistry Department

HONORS AND AWARDS:

2017	Stuart Coulter Miller Professor – University of Oklahoma
2013	OU Scholar-Athletes Most Inspiring Professor Award
2009	Excellence in Nutrition Education Award – American Society for Nutrition
2008	Nominated for Aesculapian Award in Basic Sciences – Medical School Class 2011
2008	Featured Faculty in Sooner Yearbook 2008
2007-2009	Named a Great Orator of OU – by President Boren
2006	Philip E. Smith Award for Outstanding Service, College of Allied Health, OUHSC
2005	Named “Friend of the Oklahoma Dietetic Association”
2004	Featured Faculty in Sooner Yearbook 2004
2003-present	David Ross Boyd Professor - University of Oklahoma
1996-present	The Samuel Roberts Noble Foundation Presidential Professor – Univ. of Oklahoma
1999	OU Scholar-Athletes Most Inspiring Professor Award
1997	College of Allied Health Student Council Outstanding Teacher Award - OUHSC
1995	Regents’ Award for Superior Teaching - University of Oklahoma

1994	Initiated into Alpha Eta – Allied Health Honor Society
1992	Outstanding Senior Faculty in Research Award - College of Allied Health, OUHSC
1991	Outstanding Junior Faculty in Research Award - College of Allied Health, OUHSC
1987	Elected to Full Membership - American Institute of Nutrition
1986	OU Associate's Distinguished Lectureship – C. Arts and Sciences, OU - Norman
1985	OU Associate's Distinguished Lectureship – C. Arts and Sciences, OU - Norman
1984	OU Associate's Distinguished Lectureship – C. Arts and Sciences, OU - Norman
1978	Sigma Xi - University of Missouri
1976	Phi Lambda Upsilon - Honorary Chemical Society - Univ. of Missouri
1976	Outstanding Graduate Student Teaching Award - University of Missouri

INVITED TEACHING ON OTHER CAMPUSES:

2002	University of Central Oklahoma - Department of Nutrition and Foods
2001	United States Air Force Academy - Dean's Faculty - Biology
1996-2002	University of Central Oklahoma - Department Health, Physical Education, Recreation
1990-2001	Rose State College - Department of Dental Hygiene
1999	Oklahoma Christian University - Department of Health, Physical Education
1998	University of Missouri - Columbia - Department of Biochemistry

STUDENT RECOGNITION:

2009	Favorite Faculty – Women's Softball
2007	Chosen to be a featured faculty on OU Website
2007	Chosen to be featured in Sooner Yearbook 2008
2007	Favorite Faculty – OU Athletic Department
2006	Chosen as Namesake for Camp Crimson (summer orientation)
2005	Favorite Faculty – Women's Softball (threw out first pitch)
2004	Featured faculty in Sooner Yearbook
2004	Favorite Faculty – Women's Volleyball
2003	Favorite Faculty – Women's Basketball
2002	Professor of the Week - Alpha Gamma Delta
2000	Guest Coach - Women's Volleyball (guest coaches are nominated by student athletes and participate with the team in game-day activities)
1999	Guest Coach - Women's Softball
1999	Guest Coach - Women's Basketball
1999	Guest Coach - Men's Football
1999	Favorite Faculty - Kappa Alpha Theta ("favorite faculty" are chosen by sorority members and are recognized at an appreciation dinner)
1998	Guest Coach - Men's Football
1997	Favorite Faculty - Kappa Alpha Theta
1997	Favorite Faculty - Delta Gamma
1997	Favorite Faculty - Gamma Phi Beta
1996	Adopt-A-Faculty - Chi Omega (adopt-a-faculty is a campus-wide program for students in housing facilities to choose a faculty to participate in activities with them)
1996	Favorite Faculty - Delta Gamma
1996	Favorite Faculty - Gamma Phi Beta
1995	Favorite Faculty - Pi Beta Phi
1995	Favorite Faculty - Chi Omega
1993	Favorite Faculty - Kappa Kappa Gamma
1991	Adopt-A-Faculty - Cate Center

TEACHING AND CURRICULUM DEVELOPMENT

Teaching Initiatives Beyond Departmental Courses

Named “core faculty” for Oklahoma LEND (Leadership Education in Neurodevelopmental Disabilities) Program. Work as part of interdisciplinary team to develop goals for program and identify curricular topics for interdisciplinary study by interns. Develop and facilitate sessions as part of interdisciplinary course offering, Summer 2000-present.

Taught the Introduction to Research Methodology AHS 4571 course as on-line course. First completely on-line course developed by a Nutritional Sciences faculty. Fall 2003–Spring 2016.

Developed and presented a nutrition lecture to dentistry students as part of Dental Biochemistry course. This was taught specifically to prepare them for the nutrition section of their national boards, Fall 1999-2001.

Developed and presented a series of nutrition lectures, along with writing an extensive syllabus, for medical students as part of the MS1 Biochemistry and Medical Molecular Genetics course. Also, developed a nutrition project for medical students that allowed them to use interactive CD-ROM (now online) technology and computer software in a case study format. With the change in curriculum of the Medical School, nutrition is now taught as part of the Nutrition and Metabolism course. Fall 1998-present.

Developed Introductory Nutrition HES 2823 for approval as a general education science course. This involved adding new written homework assignments and adding a written component to exams, submitted proposal to general education committee. Proposal approved 1994.

Developed and presented a series of nutrition lectures to pharmacy students as part of their Biochemistry 4104 course, Fall 1994-2001.

Developed and presented nutrition section for Graduate Periodontics program, in order for them to meet accreditation requirements, 1991-2001.

As part of the Preventive Cardiology Academic Award, assisted in lectures and clinical presentations for medical students on concepts in preventive medicine. Courses involved included biochemistry, physiology, pharmacology and pathophysiology. 1991 - 1996.

Curriculum Development

Took lead on development of revised curriculum for the Coordinated Program Master of Arts in NS, which was approved by the Regents in 2016.

Along with Patti Landers, developed and taught the first study abroad course offered by the OUHSC, Mediterranean Diet and Culture. 2013-2017.

Developed and taught the nutrition curriculum for the medical school at Universidad Autonoma Guadalajara. 1997-2012.

Consultant to College Liberal Studies, OU-Norman, to develop online MS program. 2005.

Developed AHS 4571 Introduction to Research Methodology for web delivery. Start-up date was Fall 2003.

As part of the Preventive Cardiology Academic Award, developed a proposal (Spring, 1998) for incorporating nutrition into the medical school curriculum. The program did not receive the internal funding necessary for implementation at that time.

Named to planning committee to develop a graduate program in Health Promotion Sciences, a cooperative effort between the Health Sciences Center and Norman campuses, July 1992. Program was not approved.

Initiated idea, obtained approval, and developed new undergraduate Program in Nutritional Sciences (Norman) designed for pre-professional school students, implemented 1984.

In cooperation with Health, Physical Education and Recreation and Educational Psychology, developed and obtained approval for new MS program in Health Promotion, an interdisciplinary program emphasizing nutrition, exercise, and behavior as it relates to wellness, 1984-2004.

Courses Taught at OU and OUHSC:

Courses Currently Taught on a Regular Basis:

Non-Energy Nutrients (every fall semester; graduate; 3 credit hr)
Obesity (taught summer 2017 semester online; graduate; 3 credit hr)

Nutrition Instruction Previously Provided Regularly as a Lecturer in Other Colleges/Courses:

MS1 Nutrition and Metabolism (4 clock hrs) - for medical students

Nutrition Courses Previously Taught During OU Career (all but 3 are 3 credit hr courses):

Organic and Biochemistry
Introduction to Research Methodology (1 hour)
Nutrition, Exercise, and Weight Control
Developmental Nutrition
Advanced Nutrition
Malnutrition and Health
Elementary Nutrition (revised and renamed Introductory Nutrition)
Health and Wellness in Modern Society
Issues in Nutrition and Physical Fitness
Applied Nutrition for the Health Professions (2 hours)
Lifestyles for Health: A Scientific Approach
Biochemistry (2 hour course for nutrition majors, team taught)

Graduate Advising:

Master's Theses Directed (highest degree offered by NS Department):

- 1) Arlene Cottrell: Behavioral Weight Loss Approaches with the Obese Mentally Retarded. May, 1985.
- 2) Elaine Pickens: Efficacy of a New Enteral Feeding Product. August, 1985.
- 3) Libby Anderson: Vitamin Supplementation During Pregnancy. May, 1986.
- 4) Sandy Mena: Effects of Aldosterone on Mobilization of Energy Stores in Adrenalectomized Rats. December, 1986.
- 5) Penny Bartlett: Interaction of Diet with Aldosterone Replacement in Adrenalectomized Rats. May, 1987.

- 6) Dianne Van Treeck: Serum Lipid Response to Increased Soluble Fiber in Adult Males Fed a Fat Modified Diet. August, 1989.
- 7) Celeste Haase: Validation of a Self-Administered Physical Activity Questionnaire. May, 1990.
- 8) Victoria Orth: Zinc Requirements During Recovery From Malnutrition. May, 1990.
- 9) Alice Sundstrom: Effects of Aldosterone, Corticosterone, and Dexamethasone on in vitro lipolysis in rat epididymal fat pads. May, 1990.
- 10) Manuel Galan: Type I Glucocorticoid Receptor Stimulation in the Adrenalectomized Obese Zucker Rat. August, 1991.
- 11) Virginia Rodarte: The Effects of Corticosteroids on the Zucker Rat During Food Restriction. May, 1993.
- 12) Laura Jackson: Glucocorticoid Receptor mRNA in the obese Zucker Rat. May, 1994.
- 13) Patty Anson: The Role of the Matriarch in Determining Spousal Eating Habits. May, 1994.
- 14) Suzanne Pakarian: Nutritional Counseling in the Physically Disabled. December, 1996.
- 15) Penny Lodes: Matriarchal Influence on Spousal Dietary Habits to Reduce Cardiovascular Risk in High Risk Subjects. August, 1997.
- 16) Micki Hall: Obesity Prevention Program for Native American Children. August 1998.
- 17) Misty Leyva: Community-Based Obesity Prevention in Native Americans. May 2001.
- 18) Katie Andrews: Whey Protein and Creatine Supplementation in Middle-Aged Males Participating in Weight Training. December 2003.
- 19) Stephanie McKinney: Eating Behavior and Body Mass Index in the U.S. and Scotland. Completed November 2004.
- 20) Peggy Turner: Use of Personal Digital Assistants among Dietitians in Oklahoma. Completed July 2004.
- 21) Jennifer Witherspoon: Weight Gain and Changes in Eating Behaviors During the Freshman Year in College Females. Completed December 2005.
- 22) Robyn Nickles: An Elementary School Intervention to Reduce Childhood Obesity. Completed May 2006.
- 23) Whitney Shelton: Eating Behaviors and Attitudes in Adolescent Female Gymnasts. Completed December 2007.
- 24) Jennifer Ray: Improving Outcomes Post-Bariatric Surgery. Completed December 2009.
- 25) Leah Hoffman: Predictive Factors for Weight Loss Following Pancreatic Surgery. Completed December 2009.
- 26) Kristie Peters: Nutrition Support Pre- and Post-bariatric Surgery. Completed May 2010.
- 27) Lisa Riley: Nutrition Counseling Post-bariatric Surgery. Completed May 2011.

- 28) Laurinda Crawford: Assessing Knowledge of the New IOM Weight Recommendations in Pregnant Women. Completed May 2012. (co-chair with H. Hull)
- 29) Jessica Nunez: Assessing Nutritional Knowledge in Pregnant Women. Completed May 2012. (co-chair with H. Hull)
- 30) Swathi Neel: A Study of Maternal Essential Fatty Acid Intake and Infant Body Composition. Completed May 2012. (co-chair with H. Hull)
- 31) Jessie Zoller: Dietary Intake and Clinical Parameters in Patients with Peripheral Artery Disease. Completed July 2013.
- 32) Minh Chu: Frequency of Grocery Shopping and Body mass Index in Adults. Completed December 2013.
- 33) Katie Lively: The Relationship Between Parental Feeding Practices and Parental Behaviors Associated with Refusal and Granting of Child's food and Beverage Requests When Co-Grocery Shopping. Completed May 2016.
- 34) Brittyn Howard: Food Aversions and Nutrient Intake in Children with Autism Spectrum Disorder. Completed December 2016.
- 35) Steven Cash: Dietary Intake in Patients with Peripheral Artery Disease. In progress.

PhD Dissertations Directed (offered thru interdisciplinary AHS program):

- 1) Cindy Hasseberg: Dietetic Preceptor Educational Needs from Preceptor, Student and Faculty Perspectives. May 2003.
- 2) Leah Hoffman: The Effect of Enteral Nutrition on Postoperative Nutritional and Surgical Outcomes after Pancreatic Resection. December 2014.
- 3) Susan Woods: Assessment of Diet Strategies Implemented by Families of Children with Autism Spectrum. December 2017.

Graduate Thesis and Dissertation Committees Served:

Served on 75 Master's Thesis and 20 PhD Dissertation Committees between 1982-2015.

SERVICE

University Service

2016	OUHSC Academic Strategic Plan Work Group
2014-2016	College Ad Hoc Promotions Committee
2014	Search Committee for Dean, Graduate College
2009-present	College of Allied Health Board of Advocates Member
2008-2010	College of Allied Health Elections Committee
2008	President's Distinguished Faculty Mentoring Program (University)
2007-2010	College of Allied Health Research Committee
2007	College of Allied Health Tenure Committee
2006	Namesake for Camp Crimson (University)
2006	GREAT Symposium judge (OUHSC)
2006	Search Committee for Dean, College of Allied Health (OUHSC)
2006-2008	Athletic Academic Progress Committee (University)
2005-2008	Athletics Council – Chair in 2007-08 (University)

2005-2008 Athletic Academic Integrity Committee – Chair in 2006-07 (University)
 2005-2008 Athletic Admissions Review Committee (University)
 2004-2005 Represented Nutritional Sciences at Counselor’s Workshop (Department)
 2003-2008 Consumer Advisory Council, Center for Excellence in Developmental Disabilities
 2004-2006 Faculty Board – Secretary in 2005 (College)
 2003-2008 Athletic Department Career Fair (College)
 2004 Sooner Saturday Recruitment Day (College)
 2004 Distance Education Committee (College)
 2004 Search Committee – Faculty position (Department)
 2003 Summer Academy – Tulsa campus (College)
 2003-2005 Academic Appeals Board (College)
 2003-2006 Academic Misconduct Board (College)
 2003-2006 Tenure Committee – Chair in 2004 and 2005 (College)
 2003-2008 Promotion Committee (College)
 2003-2004 Task Force on College Tenure Criteria (College)
 2003-2009 Graduate Faculty Appointments Committee (University)
 2003 Faculty Marshall – Commencement (University)
 2003 Presbyterian Health Foundation Seed Grant Review Committee (University)
 2003 College of Medicine Alumni Association Grant Review Committee (University)
 2001-present Alpha Eta Departmental Mentor (Department)
 2001-2003 Alpha Eta National Honor Society - President (College)
 2002-2003 Student Dietetic Association Sponsor (Department)
 2002-present Student Dietetic Association - Norman Liaison (Department)
 2002-2008 Represent Nutritional Sciences to Minority Association Pre-Health Students (NS)
 2001 Letzieser Award Selection Committee (University)
 2001 Faculty Board alternate (College)
 2001 Junior Class Sponsor (Department)
 2001 Senior Class Sponsor (Department)
 2001 Hearing Committee - Faculty Appeals Board (OUHSC)
 2000-2003 Faculty sponsor - OU Triathlon Club (University)
 2000-2001 Recreational Services Advisory Committee (University)
 1999-2001 Alpha Eta - Secretary/Treasurer (College)
 1999-2003 Post-Tenure Review Committee (OUHSC)
 1999-2012 Medical Aspects Committee (University Athletic Department)
 1999 Search Committee for Prevention Center Director (College PH)
 1999 Classic Arts Run Marshall (University)
 1999-2001 Judge for Sooner Squares Program (University)
 1998-2000 Library Advisory Committee (OUHSC)
 1999 Graduate Admissions Committee (College)
 1999 Awards Committee (Department)
 1999 Search Committee for Foods Position (Department)
 1998-2002 Post Professional Graduate Committee (College)
 1998-2000 Academic Misconduct Committee (College)
 1998-1999 Promotion Committee (College)
 1998 Acting Chair (Department)
 1998 Commencement Marshall (University)
 1996-1999 Advisory Board - Student Center Fitness Facility (OUHSC)
 1996-2001 Faculty Appeals Board (University)
 1996-2002 Represent Nutritional Sciences for Exploring Majors Program (Department)
 1996 Committee A (Department)
 1994-1996 Academic Appeals Board (College)
 1994 Search Committee for Research Faculty Position (Department)
 1994-1995 Allied Health Education Task Force: Research (College)
 1993-1997 Tenure and Promotion Committee (College)
 1993-1994 Judge, Graduate Education Research Day (University)
 1993 Summer Academy Proposal Review Committee (University)

1992-1995	Planning Committee - Health Promotion Sciences Graduate Program (College)
1992	Co-authored proposal to Presbyterian Health Foundation to develop research program in College of Allied Health (College)
1992	Search Committee for Clinical Position (Department)
1991-2002	Supervisor, Nutrition Research Laboratory (Department)
1991-1993	Graduate College Student Appeals Board (HSC)
1991-1993	Faculty Board (College)
1991-1996	Honors and Awards Committee (College)
1991-1993	Research Committee (College)
1991	Ad Hoc Academic Misconduct Committee (College)
1991-1995	Selection Committee: Outstanding Senior (College)
1991	Commencement Marshall (College)
1990-2002	Radioisotope minilicense holder (Department)
1990-1993	Research Council (HSC)
1990-1995	Graduate Faculty Council (College)
1989-1991	Nutrition Seminar Committee (Department)
1989-1994	National Nutrition Month Committee (Department)
1989-1994	Student Dietetic Association Advisor/Coordinator (Department)
1987-1989	Honors Program Representative (OU-Norman)
1987	Committee for Review of School of Human Development by College of Arts and Sciences (College)
1987	Committee for Review of School of Human Development by Provost (OU-Norman)
1987	Ad Hoc Committee to Review Department Chairs (College)
1987-1989	Institutional Animal Care and Use Committee (OU-Norman)
1987-1989	Faculty Appeals Board (OU-Norman)
1987	Gen. Educ. Requirements Implementation Committee (College)
1985-1989	Health Consortium (OU-Norman)
1986-1989	Clinical Dietetics Advisory Board (School)
1986	Chair, Academic Misconduct Committee (OU-Norman)
1986-1988	Committee A (evaluates and ranks faculty performance with subsequent recommendation for raises; reviews school budget; prepares recommendations for tenure and promotion, etc.)
1985-1988	Faculty Senate (OU-Norman)
1985-1989	Library Liaison for School of Human Development (School)
1985	Faculty Search committee for Early Childhood Education (School)
1983-1986	Committee A (School)
1982, 83, 86	Curriculum Committee (School)
1984	Ad Hoc Committee on Criteria for Tenure and Promotion (School)
1982-1983	Chair, Faculty Search Committee for Foods (School)

Campus Presentations:

"Sports Nutrition: Fluid Balance" Sports Medicine Grand Rounds. November 2013-15.

"Good Nutrition = Better Grades, Better Friendships, and More Money." Greek Community Faculty Forums: An Evening with the Great Orators, November, 2011.

"Childhood Obesity. OU Community Health Alliance. February, 2011.

"Healthy Eating Tips." Arts and Sciences Leadership Group. November, 2010.

"Sports Nutrition: Energy" and "Sports Medicine: Protein". Sports Medicine Grand Rounds. October, 2010.

"Good Nutrition = Better Grades, Better Friendships, and More Money." Greek Community Faculty Forums: An Evening with the Great Orators, February, 2009.

"Eating Healthy Means Academic Success." President's Community Scholars. February, 2009.

"Obesity: Searching for Answers." College of Allied Health, March, 2009.

"Beyond Sports." OU Athletic Department, February, 2008.

- “Good Nutrition = Better Grades, Better Friendships, and More Money.” Greek Community Faculty Forums: An Evening with the Great Orators, November, 2007.
- “Advice for a Weight Challenge.” Minority Student Association, October, 2007.
- “Nutrition for Athletic Performance Part 2.” Sports Medicine Grand Rounds, May, 2007.
- “Nutrition for Athletic Performance Part 1.” Sports Medicine Grand Rounds, March, 2007.
- “Shaping Children’s Eating Habits.” College of Dentistry Grand Rounds, April, 2006.
- “Nutrition for Athletic Performance.” Sports Medicine Grand Rounds, March, 2006.
- “Sports Nutrition at OU.” Sports Medicine Grand Rounds, March, 2005.
- “Dietetics as a Career.” Exploring Majors Program, Spring and Fall semesters, 2004
- “Fad Diets.” Minority Association Pre-Health Students. March, 2004.
- “Nutrition and Health.” Minority Association Pre-Health Students. April, 2003.
- “Dietetics as a Career.” Exploring Majors Program. April, 2003.
- “Fueling the Tradition.” OU Athletic Program. September, 2002.
- “Dietetics as a Career.” Exploring Majors Program. September, 2002.
- “Enhancing Sport Performance.” OU Soccer Program. August, 2002.
- “Development of a Sport Nutrition Program.” Department of Allied Health Sciences. June, 2002.
- “Nutritional Assessment.” Minority Association Pre-Health Students. April, 2002.
- “Breakfast for Champions.” OU Athletic Department. September, 2001.
- “Surviving 2-A-Days.” OU Football Program. August, 2001.
- “Eating on the Road.” OU Athletic Department. April, 2001.
- “Dietetics as a Career.” Exploring Majors Program. November, 2000.
- “What is the FIR Program.” Student Athlete Advisory Board. March, 2000.
- “Student Health and Fitness.” Center for Student Life Retention Program. November, 1999.
- “Dietary Supplements.” Asian-American Professional Students Assoc. November, 1999.
- “Nutrition and Health.” McCasland Tower. November, 1999.
- “Nutrition 101.” Sooner Housing Center. September, 1999.
- “Eating for a Better GPA.” Adams Center. September, 1999.
- “Dietetics as a Career.” Exploring Majors Program. March, 1999.
- “Recent Advances in Nutrition.” College Dentistry Research Seminar. October, 1998.
- “Nutrition in College.” Couch Dormitory - Norman campus. March, 1998.
- “Choosing a Career in the Health Professions.” Health Sport Sciences Majors Club, Norman campus. November, 1997.
- “Weight Management: What You Really Need to Know.” OUHSC Fitness Center. Oklahoma City, OK. November, 1997.
- “Weight Management and Nutrition for the College Athlete”. OU Athletic Department. March, 1994.
- “Obesity Development: Implications from Studies with the Zucker Rat”. College of Allied Health Research Symposium. February, 1992.
- “Glucocorticoids and Obesity.” Department of Pharmacology, Health Sciences Center. October, 1991.
- “Adrenal Hormones and Obesity Development.” Department of Physiology, OU Health Sciences Center. November, 1990.
- “Changing Perspectives in Nutrition.” OU Personnel Training and Development, Norman. March, 1989.
- “Nutrition and Weight Control.” OU Adult Fitness Program Aerobic Instructor Training Workshop, Norman. November, 1988.
- “Nutrition and Stress Management Programs.” Oklahoma Center for Continuing Education Workshop, Norman. March, 1988.
- “Changing Perspectives in Nutrition.” OU Personnel Services. February, 1988.
- “Nutrition and Job Performance.” Oklahoma Center for Continuing Education Staff Day, OU. October, 1987.
- “Changing Perspectives in Nutrition.” Personnel Development, OU June, 1987.
- “Nutrition and Health.” Administrative Staff Council, University of Oklahoma. March, 1987.
- “Nutrition for Optimal Performance.” Department of Athletics, OU. October, 1986.
- “Computer Assisted Diet Assessment and Prescription.” School Faculty Seminar, OU. November, 1984.
- “Thermogenesis and Obesity: Revolutionary or Ridiculous?” Department of Psychology, OU. February, 1984.

Professional Service:

2010 Textbook reviewer for Cengage
 2005-present Ad hoc reviewer for International Journal of Sport Medicine
 2003-2004 Text reviewer for Wadsworth
 2003-present Text reviewer for Benjamin Cummings
 1998-present Text reviewer for WCB-McGraw-Hill
 1998-2006 Grant Proposal Review Committee. Human Nutrition USDA (reviewer in obesity area).
 1992-2001 Reviewer for Journal of Nutrition
 1998 Reviewer for American Journal Clinical Nutrition
 1995-96 Nominating Committee, Central States Chapter - American College of Sports Medicine
 1995-96 American Institute of Nutrition, Strategic Plan Implementation Committee
 1993 ODA Diet Manual Ad Hoc Committee, Reviewer
 1993 American Institute of Nutrition. Organized and Co-Chaired Symposium, "Mentors or Mentoring" at Experimental Biology '93 meeting, New Orleans.
 1992-95 Projects Committee chairman, Central State Chapter - American College of Sports Med.
 1992-95 American Institute of Nutrition, New Members Committee (Chair '94-'95)
 1992-94 Health Objectives for the Year 2000 Sub-committee, Central States Chapter - American College of Sports Medicine
 1990-92 American Heart Association - Worksite Wellness: Advisory Committee
 1990-92 American Heart Association - Worksite Wellness: Implementation Task Force
 1988 Book review. For OU Press.
 1984-1985 Book reviews. Many for Generations.

Community Service:

2010 Judge for Student Posters, Diabetes Research Conference
 2010 Strategic Planning Committee of Tobacco Settlement Endowment Trust
 2006-present Oklahoma Fit Kids Coalition Board Member
 2006 Oklahoma DHS PRAMSgram Committee
 2006 Oklahoma Fit Kids Coalition Strategic Planning Group
 2005-present Consultant to Task Force for State Plan for Physical Activity and Nutrition
 2003 School Health Sub-Committee Videoconference – State Health Department
 2002-2006 State Task Force on Promotion of Children's Health - Oklahoma Senate Appointee
 2002-2006 State Task Force Nutrition Subcommittee - Chair
 2001 State Task Force on Promotion of Children's Health - Oklahoma Senate Appointee
 1998-1999 American Heart Association - Cleveland County Program Committee
 1998 Consultant to State Legislature on nutrition issues
 1992-2006 Consultant to U.S. Postal Center Wellness Program, Norman
 1990-92 American Heart Association Worksite Wellness Program (Statewide Committee)
 1990-92 State of Oklahoma "Take Charge" Employee Wellness Advisory Committee
 1988 Conducted Dietary Analysis of American Indian Representatives, OKC
 1987-89 Cleveland County YMCA Health Committee
 1983-85 International Fitness Centers Health Advisory Board
 1985 Service publications. Health Fitness Guide. State Department of Corrections.
 1982-85 Numerous interviews for radio, newspapers, and television. Articles have appeared in newspapers in Norman, Oklahoma City, Frederick, Ponca City, Tahlequah, Elk City, Broken Arrow, Bartlesville, Woodward and Sapulpa, OK, as well as national publications, Medstar Communications and Woman's World. Interviews on radio have been broadcast by at least 23 stations statewide. Television appearances were broadcast on several occasions on two separate stations.

Community Service Presentations:

"Nutrition Tips for Running a Marathon". OK State Department of Health. OKC, OK. Dec, 2010.
 "Improving Weight Management" OK Native American EXPORT Center. Lawton, OK. May, 2007.

- "Parenting and Children's Eating Habits." Chesapeake Oil Wellness Program, OKC. August, 2006.
- "The Brain, Nutrition and Eating Disorders." Neuronight. Oklahoma City, OK. May, 2004.
- "Hot Spot on Nutrition." KSBI Family Television Program, Hello Oklahoma. Moore, OK. March, 2004.
- "Childhood Obesity in the State of Oklahoma." Norman Rotary Club. Norman, OK. July, 2002.
- "Nutrition for Good Health." Fellowship of Christian Athletes Workshop. Norman, OK. July, 2001.
- "Nutrition and Running Performance." OKC Runner's Club. Oklahoma City, OK. October, 1999.
- "Reducing Illness through Nutrition and Exercise." Tinker AF Base medical staff. Midwest City, OK. October, 1998.
- "Nutrition: What to Watch For." US Postal Training Center Workshop. Norman, OK. October, 1997.
- "Eating to Win." Norman High School North Girls Basketball Team. Norman, OK. September, 1997.
- "What You Need to Know About Nutrition." OU Today Radio Program. September, 1997.
- "Diet and Rehabilitation." Restorative Care, Columbia Presbyterian Hospital, Oklahoma City, OK. June, 1997.
- "Can We Win the War of Weight Control?" Oklahoma State Department of Health Teleconference, Norman, OK. August, 1996.
- "Maximizing Your Performance by Diet." Canadian Paralympic Team Workshop, OKC, OK. July, 1996.
- "Nutrition for Young Athletes." Team One Program, Norman Regional Hospital. June-July, 1996.
- "Nutrition as a Career Option." Norman High Science Club, Norman, OK. April, 1996.
- "Antiobesity Treatments: Taking Genetics into Consideration." Norman Pharmacy Association, Norman, OK. April, 1996
- "Ergogenic Aids." Fitness Inc. Workshop, Midwest City, OK. January, 1996.
- "Antioxidants and Aging." Cleveland County "Y" Aquatic Aerobics Program, Norman. February, 1995.
- "Nutrition for Health Living." Marriott Corporation, Norman. May, 1994.
- "Vitamin and Mineral Therapies, Both Scientific and Para-Scientific." KQCV Encounter Radio Talk Show, Oklahoma City. July, 1993.
- "Nutritional Well-Being." Stress Management Seminar-Oklahoma Center for Continuing Education, Norman. August, 1991.
- "You Are What You Eat." Stress Management Seminar-Oklahoma Center for Continuing Education, Norman. August and November, 1990.
- "Nutrition and Exercise." Moore-Norman Area Vo-Tech School, Norman. November, 1990.
- "Nutrition for Health Living." Commencement Day Speaker, Oklahoma Department of Public Safety Academy (State Trooper) Graduation, Oklahoma City. May, 1990.
- "Nutrition in Stress Management for Educational Executives." Stress Management Seminar-Oklahoma Center for Continuing Education, Norman. July, 1989.
- "Nutrition in the Retirement Center." Rivermont Retirement Center, Norman. February, 1989.
- "The Role of Nutrition In Overall Fitness." Cleveland County YMCA, Norman. December, 1988.
- "Developing Weight Control Programs." Oklahoma Center for Continuing Education Workshop, Norman. November, 1988.
- "Nutrition and Health Promotion." Adult Fitness Program Workshop, Norman. February, 1988.
- "Nutrition and the Elderly." American Association of Retired Persons, Norman. February, 1988.
- "Nutrition and Aerobic Exercise." Cleveland County Family Y Workshop, Norman. May, 1987.
- "Nutrition and Aerobics Instruction." Second Wind Aerobics Workshop, Norman. April, 1987.
- "Diet: A Four Letter Word." Cate Center, OU March, 1987.
- "Nutrition and Weight Control." Adult Fitness Program Aerobics Workshop, OU August, 1986.
- "Nutrition for Adolescent Girls." Longfellow Middle School P.E. Class, Norman. May, 1986.
- "Osteoporosis and the Elderly." Norman Community Garden Club. February, 1986.
- "Nutrition for the Elderly." Wilmont Place Baptist Church, Oklahoma City. February, 1986.
- "Eating for Good Health." Norman Cub Scout Pack 239, Norman. January, 1986.
- "Nutrition for Better Health." McFarlin Methodist Church Health Program, Norman. April, 1985.
- "Nutrition and Athletic Performance." Cleveland County Family Y Workshop, Norman. March, 1985.
- "Nutrition and Weight Control." Longfellow Middle School, Norman. November, 1984.
- "Nutrition and Aerobic Energy." Aerobic Energy Certification Workshop, OU. March, 1984.
- "Weight Control and Improving Your Health." Totco Wellness Group, Norman. March, 1984.

Student Service:

Faculty-in-Residence (FIR) Activities

“One of the greatest needs of our nation is a renewed sense of community. The University of Oklahoma seeks to train students who will be leaders in that effort. To help create a spirit of community, students must first experience it and understand what it means. The Faculty-in-Residence Program is a key element in providing that experience and a true feeling of family at the University.” David L. Boren

With wife, Jean, we lived as Faculty-in-Residence from 2000-2013. Activities with students are extremely numerous (an estimated 3000 activities during our time of service) and diverse, taking place in the evenings and on weekends.

Invited Presentations at Professional Meetings:

“Sooner Jr FANS Program: Encouraging Healthy Behaviors in Children.” OK Academy of Nutrition and Dietetics Fall Symposium. Oklahoma City, OK. October, 2012.

“Making a Difference in Oklahoma.” American Council for Fitness and Nutrition. Oklahoma City, OK. November, 2005.

“Children’s Eating Behaviors and Obesity.” Oklahoma’s Solutions to Diabetes – A Statewide Conference. Oklahoma City, OK. November, 2005.

“Reducing the Risk of Childhood Obesity.” Oklahoma Public Health Nurses Association Conference, Norman, OK. October, 2005.

“Fit For Life Overview.” Oklahoma Public Health Association Meeting, OKC, OK. March, 2005.

“Update on Legislation to Prevent Childhood Obesity.” Oklahoma Dietetic Association Meeting, OKC, OK. September, 2004.

“Childhood Obesity: Tired of Just Talking About It.” Oklahoma City District Dietetic Association Meeting, OKC, OK. April, 2004.

“Childhood Obesity: Every Health Professionals Responsibility.” Oklahoma Society Radiologic Technologists Annual Meeting. Oklahoma City, OK. April, 2003.

“Obesity and Clinical Practice.” American Medical Student Association. Oklahoma City, OK. October, 2002.

“Childhood Obesity.” State of Oklahoma WIC Nutrition Educators Seminar. Oklahoma City, OK. February, 2002.

“Attacking Childhood Obesity: A Comprehensive View.” Oklahoma City District Dietetic Association. Oklahoma City, OK. November, 2001.

“Ergogenic Aids and Their Effects on Athletes.” USA Stars (Olympic Training Satellite) Meeting. Moore, OK. September, 1999.

RESEARCH

Research Presented at Professional Meetings (Invited presentations are all oral, others are either oral or poster):

Smith, C.L., Guseman, E., Hubbs-Tait, L., Graef, J., Arnold, S., Knehans, A., & Sisson, S.B. Difference in Eating Patterns between Children without Siblings and with Siblings. Society of Nutrition Education and Behavior National Conference – Minneapolis, MN, July 21st, 2018

Smith, C. L., Guseman, E., Hubbs-Tait, L., Graef, J., Arnold, S., Knehans, A. & Sisson, S.B. Difference in Physical Activity between Children without Siblings and with Siblings. American College of Sports Medicine Central States National Chapter – Minneapolis, MN – May 31st, 2018

Sisson, S.B., New, J.A., Arnold, S.H., DuBose, K.D., Knehans, A.W. Association of Physical Activity and Body Mass with Motor Skills in Preschool Children. American College of Sports Medicine, San Diego, CA, May 26-30, 2015.

Karina Lora, Paul Wesley Branscum, Susan Sisson, Michael Anderson, and Allen Knehans. Exploring the Relationship Between Food Label Use and Household Availability of Beverages in a Sample of low-income mothers Participating in the Supplemental Nutrition Assistance Program. American Public Health Association, Chicago, IL, 2015.

Megan Krampe, Susan B. Sisson, Andrea Rasbold, Diane Horm, Janis Campbell, Karina Lora, Allen Knehans, Patti Landers. Children's Dietary Intake in Child Care Centers by Body Mass Index, Sex and Age. Food and Nutrition Conference and Expo (FNCE), Nashville, TN, 2015.

Ruby Asif, Karina R. Lora, Allen Knehans, Susan B. Sisson, Michael Anderson. The Association between Frequency of Family Meals, TV Viewing, and Juice Drink Intake in Preschool Children. College of Allied Health Research Day, University of Oklahoma Health Sciences Center, Oklahoma City, OK, 2015

Ruby Asif, Susan Sisson, Michael Anderson, Allen Knehans, Karina R. Lora. The Association between Frequency of Family Meals, TV Viewing, and Juice Drink Intake in Preschool Children: A Proposal. College of Allied Health Research Day, University of Oklahoma Health Sciences Center, Oklahoma City, OK, 2014

Ruby Asif, Susan Sisson, Michael Anderson, Allen Knehans, Karina R. Lora. The Association between Frequency of Family Meals, TV Viewing, and Juice Drink Intake in Preschool Children: A Proposal. Graduate Research and Education Technology Symposium (GREAT), Graduate College, University of Oklahoma Health Sciences Center, Oklahoma City, OK, 2014.

A. Knowlton, S.B. Sisson, M. Anderson, K. Lora, A. Knehans. Home Media Environment, Child Health and Food Consumption among Preschool Age Children. College of Allied Health Research Day, University of Oklahoma Health Sciences Center, Oklahoma City, OK, 2014

M. Krampe, S.B. Sisson, A. Knowlton, D. Horm, J. Campbell, K. Lora, A. Knehans, and P. Landers. Children's dietary intake in child care centers by weight status, sex and age: A research proposal. GREAT Symposium 2014, OKC, OK. April 2014.

New, J., Arnold, S., Knehans, A., Sisson, S.B., Association of Activity Level and Body Mass Index and Motor Skills in Preschool Children. College of Allied Health Research Day, Oklahoma City, OK, April 11, 2014.

Knowlton, A.H., Sisson, S.B., Anderson, M., Lora, K.R., Knehans, A. Home Media Environment, Child Health and Food Consumption Among Preschool Age Children. College of Allied Health Research Day, Oklahoma City, OK, April 11, 2014.

New, J.A., Sisson, S.B., Arnold, S., DuBose, K.D., Knehans, A.W. Physical Activity Level, BMI Percentile, and Motor Skills in Preschool-aged Children at Childcare. Central States Chapter of American College of Sports Medicine Annual Meeting, October 17-18, 2013.

Andrea H. Knowlton, Susan B. Sisson, Michael P. Anderson, Karina R. Lora, Allen W. Knehans. Television viewing during dinner and energy intake and child health in preschool age children. American College of Sports Medicine Conference-Central State Chapter, Warrensburg, MO, 2013

Motor Skill Function In Preschool Children As a Predictor For Physical Activity Level Proposal Abstract.

J. New, R. Adamiec, A. Knehans, S. Arnold, S.B. Sisson. GREAT Symposium 2013, OKC, OK. April 2013. "Social Media Marketing and Childhood Obesity: a Collaboration with the OU Athletic Department." Universidad Autonoma Guadalajara Visiting Professor Program, Guadalajara, MX. January 2013. (Invited) "Predictive Factors for Weight Loss Following Pancreatic Resection." Hoffman L, Knehans A, Skaggs V, Postier R. GREAT Symposium 2012, OKC, OK. April 2012.

"Feeding Practices and Healthy Eating Support in Urban and Rural Childcare Centers." Outhier L., Sisson SB, Anderson M, Campbell JE, May K, Brittain DR, Knehans A. GREAT Symposium 2012, OKC, OK. April 2012.

Ramey, E.S., Sisson, S.B., Mitchell, M.E., Davidson, E.E., Knehans, A.W. Snack Food Consumption for Children with Excessive TV Viewing. OUHSC, Great Research and Education Technology Symposium, March 28-31, 2011.

Mitchell, M.E., Davidson, E.E., Turner, P., Knehans, A.W., Sisson, S.B. Eating Patterns, Physical Activity, and TV viewing in Children. OUHSC, Great Research and Education Technology Symposium, March 28-31, 2011.

“Screen-based leisure time sedentary behavior in children: Reliability and validity of a new survey instrument.” With Sisson, SB, Mitchell, ME, Davidson, EE. College of Allied Health Research Day. Oklahoma City, OK. November, 2010.

“Metabolic Syndrome: From Genomic and Molecular Bases to Clinical Presentation.” International Congress on Nutrition. Monterrey, MX. March, 2008. (Invited –Keynote Speaker)

“Dietetic Preceptor Educational Needs From Preceptor, Student and Faculty Perspectives.” Experimental Biology '04. Washington, DC. April, 2004.

White (Sisson), S.B., Bemben, M.G., Bemben, D.A., Knehans, A. Effect of Continuous Passive Motion Training on Body Composition, Muscle Strength, and Flexibility in Older Women. American College of Sports Medicine Conference, San Francisco, CA, May 2003.

White (Sisson), S.B., Bemben, M.G., Bemben, D.A., Knehans, A. Effects of Continuous Passive Motion Training on Body Composition, Muscle Strength, and Flexibility in Women Aged 40-65 years. University of Oklahoma Poster Competition, April 2003.

“Childhood Obesity: What Can We Do.” Oklahoma Public Health Association Annual Meeting. Tulsa, OK. April, 2003. (Invited)

“Body Composition and Fitness in Native American Children.” Experimental Biology '02. New Orleans, April, 2002.

“Preventing Obesity in Native Children.” National Indian and Native American WIC Coalition Conference. Oklahoma City, OK. September, 2001. (Invited)

“Childhood Obesity and Diabetes.” National Indian and Native American WIC Coalition Conference. Panel Discussion. Oklahoma City, OK. September, 2001. (Invited)

“Enhancing Sport Performance through Nutrition Education: A Team Approach.” United States Air Force Academy, Department of Biology Faculty Development. Colorado Springs, CO. August, 2001.. (Invited)

“Childhood Obesity - a Research Update.” Schools for Healthy Lifestyles. Oklahoma City, OK. July, 2000. (Invited)

“Dietary Intake and Eating Habits of People with Physical Disability.” American College Sports Medicine - Central States Chapter. Kansas City, MO. October, 1998.

“Creatine Supplementation Affects Body Composition and Neuromuscular Performance in Football Athletes.” Experimental Biology '98, San Francisco. April, 1998.

“Nutrition and Supplement Research Update.” National Strength and Conditioning Association - Oklahoma State Clinic, Oklahoma City, OK. February, 1998. (Invited)

“Chromium and Creatine Supplementation to Enhance Performance.” University of Missouri Biochemistry Seminar. Columbia, MO. February, 1998. (Invited)

“Appetite.” Public Program - Oklahoma Center for Neuroscience, Oklahoma City, OK. October, 1997. (Invited)

“Sports Nutrition: Unique Perspectives to Enhance Performance.” Oklahoma Association for Health, Physical Education, Recreation and Dance, Tulsa, OK. October, 1997. (Invited)

“Nutrition and Related Research in Oklahoma.” Aberdeen/Clermont-Ferrand/Oklahoma Universities Health and Related Research Joint Meeting, Clermont-Ferrand, France. April, 1997. (Invited)

“Incidence and Treatment of Obesity in the Physically Disabled.” Experimental Biology '97, New Orleans. April, 1997.

“Promoting Healthy Behaviors in Native American Children.” Native American Diabetes Conference. Lawton, OK. March, 1997. (Invited)

“Dietary Intake Patterns in Collegiate Wrestlers Being Given a Chromium Supplement.” American College of Sports Medicine - Central States Chapter, Norman, OK. October, 1996.

“Sensitivity Estimation of a Screening Questionnaire Designed to Assess Compliance to American Heart Association (AHA) Step One Diet.” Experimental Biology '96, Washington DC. April, 1996.

- "Dietary Intervention to Reduce Cardiovascular Disease Risk in the Physically Disabled." American College of Sports Medicine - Central States Chapter, Little Rock, Arkansas, October, 1995.
- "Spousal Influence on Intake of Calories and Fat After Dietary Counseling to Reduce Cardiovascular Risk Including Weight Loss." Experimental Biology '95, Atlanta, GA., April, 1995.
- "Influence of the Spouse on Dietary Habits after Nutritional Counseling to Reduce Cardiovascular Risk." Central States Chapter - American College of Sports Medicine, Columbia, MO. October, 1994.
- "Obesity: Using Animal Models in Research." OU-OSU Nutrition Research Day. Oklahoma City, OK. May, 1994.
- "Dietary and Physical Activity Predictors of Body Composition Measures in First Year Male and Female Medical Students." Experimental Biology '94, Anaheim, CA. April, 1994.
- "Is Obesity Genetic?" Tulsa District Dietetic Association, Tulsa, OK. January, 1994. (invited)
- "Corticosteroids and Obesity Development in Zucker Fatty Rat." Central States Chapter - American College of Sports Medicine, Wichita, KS. October 1993. (invited)
- "Physical Activity and Dietary Predictors of Body Composition and Waist-to Hip Ratios in First Year Medical Students." Central States Chapter - American College of Sports Medicine, Wichita, KS. October, 1993.
- "Nutrition and Weight Control." American College of Sports Medicine Exercise Leader Workshop, Norman, OK. July, 1993. (invited)
- "Obesity: A Potential Genetic Influence." Science Forum NIH Training Grant Meeting - OMRF, Oklahoma City, OK. July, 1993.
- "Corticosteroid Effects During Caloric Restriction." Oklahoma Center for Advancement of Science and Technology, Oklahoma City, OK. April, 1993.
- "The Genetic Causes of Childhood Obesity." Oklahoma Dietetic Association, Oklahoma City, OK. April, 1993. (invited)
- "Corticosteroid Effects During Weight Loss in the Zucker Rat." Experimental Biology 93, New Orleans, LA. March, 1993.
- "Genetics Influences on Obesity and Implications for Treatment." Central States Chapter - American College of Sports Medicine, Stillwater, OK. October, 1992 (invited)
- "Matriarchal Model for Cardiovascular Risk Prevention." New Horizon in Women's Health Care - Annual OB/GYN Spring Symposium, Oklahoma City, OK. June, 1992.
- "Corticosteroids and Obesity Development in the Zucker (fa/fa) Rat." Federation of American Societies for Experimental Biology, Anaheim CA. April, 1992.
- "Weight of Genetics." The Oklahoma Medical Center for Continuing Education, Oklahoma City, OK. March, 1992.
- "Glucocorticoids and Obesity Development in the Zucker Rat." American College of Sports Medicine - Central States Chapter, Conway, AR. October, 1991.
- "Calorie Restriction and Diet Influence Type I Adrenocorticoid Receptor Effects in Adrenalectomized (ADX) Rats." Federation of American Societies for Experimental Biology, Atlanta, GA. April, 1991.
- "Interaction of Diet with Type I Adrenocorticoid Receptor Stimulation During Caloric Restriction." Allied Health Research Symposium, Oklahoma City, OK. October, 1990.
- "A Successful Community-Based Coronary Heart Disease Risk Reduction Program." Allied Health Research Symposium, Oklahoma City, OK. October, 1990.
- "Validation of a Self-Administered Physical Activity Questionnaire." American College of Sports Medicine - Central States Chapter, Springfield, MO. October, 1990.
- "Type I Adrenocorticoid Receptor Stimulation, Diet and Blood Metabolites." Federation of American Societies for Experimental Biology and Medicine, Washington, D.C. April, 1990.
- "Novel Approach to the Study of Corticosterone in Rats." Oklahoma Dietetic Association, Stillwater, OK. October, 1989.
- "The Effect of Clinically Based CHD Risk Intervention Program on Diet and Exercise Adherence and the Consequent Alteration in the Plasma Cholesterol Profile." Oklahoma Public Health Association, Oklahoma City, OK. October, 1989.
- "Altered Blood Metabolite Levels Induced by Infusion of Aldosterone in Restricted-Fed Rats." American College of Sports Medicine-Central States Chapter, Kansas City, MO. October, 1989.
- "Corticosteroid Effects on Lipolysis in the Rat." Federation of American Societies for Experimental Biology and Medicine, New Orleans, LA. March, 1989.

- "Obesity and the Adrenal Hormones." O'Dell Symposium on Trace Elements in Human and Animal Nutrition, University of Missouri, Columbia, MO. November, 1988.
- "Effects of Adrenal Hormones on Body Composition and Fat Metabolism in the Rat." American College of Sports Medicine-Central States Chapter, Tulsa, OK. October, 1988.
- "Corticosteroid Effects on Body Fat: Type I vs Type II Receptor Stimulation." Federation of American Societies for Experimental Biology, Las Vegas, NV. May, 1988.
- "Protein Calorie Malnutrition in the Guinea Pig." Federation of American Societies for Experimental Biology, Las Vegas, NV. May, 1988.
- "Fat Metabolism in Adrenalectomized Rats Infused with Aldosterone, Corticosterone, and Dexamethasone." Oklahoma Dietetic Association, Oklahoma City, OK. April, 1988.
- "Developing a Guinea Pig Model for Human Malnutrition." Oklahoma Dietetic Association Oklahoma City, OK. April, 1988.
- "Interaction of Dietary Macro nutrients with Type I Adrenal Corticoid Receptor Stimulation." Satellite Symposium-Society for Neuroscience, San Antonio, TX. November, 1987.
- "Aldosterone Increases Dietary Fat Intake, Caloric Intake, and Weight Gain in Either Free-Fed or Calorically-Restricted Rats." Central States Chapter-American College of Sports Medicine, Fayetteville, AR. October, 1987.
- "Aldosterone Infusion Increases Fat Preference and Serum Lipids in Calorically-Restricted Adrenalectomized Rats Allowed Dietary Self-Selection." Federation of American Societies for Experimental Biology, Washington, D.C. April, 1987.
- "Aldosterone Infusion Alters Dietary Preferences in Adrenalectomized Rats." Oklahoma Dietetic Association, Oklahoma City. April, 1987.
- "Aldosterone's Influence on Selection of Dietary Macronutrients." Society for Neuroscience, Washington, D.C. November, 1986.
- "A Proposed New Role for Aldosterone in the Development of Obesity." Central States Chapter-American College of Sports Medicine, Springfield, MO. October, 1986.
- "Effect of Aldosterone on Dietary Self-Selection in Adrenalectomized Rats." Eastern Psychological Association, New York City. April, 1986.
- "Rapid Dietary Screening by Computer." Oklahoma Dietetic Association, Oklahoma City. April, 1986.
- "Effects of Aldosterone on Body Composition in Adrenalectomized Rats." Oklahoma Dietetic Association, Oklahoma City. April, 1986.
- "Effect of Aldosterone on Mobilization of Energy Stores in Adrenalectomized Rats." Federation of American Societies for Experimental Biology, St. Louis, MO. April, 1986.
- "Environmental Control of Lipoprotein Lipase Activity ." Society for Neuroscience, Dallas, TX. November, 1985.
- "Metabolic Effects of Aldosterone Administration and the Compensatory Action Exerted by the Intact Adrenal gland." Satellite Symposium-Society for Neuroscience, San Antonio, TX. November, 1985.
- "Computer Aided Program for Development of Individualized exercise and diet plans. " Central States Chapter-American College of Sports Medicine, Emporia, KS. October, 1985.
- "Designing a Computer Assisted Weight Control Program." Oklahoma Dietetic Association, Oklahoma City. April, 1985.
- "Aldosterone and Energy Metabolism." Oklahoma Dietetic Association, Oklahoma City. April, 1985.
- "Effects of Long-Term Feeding of Fructose and Glucose on Lipid Parameters." Federation of American Societies for Experimental Biology, St. Louis, MO. April, 1984.
- "Effects of Fructose Feeding on Selected Parameters in Streptozotocin-Induced Diabetic Zucker Rats." Federation of American Societies for Experimental Biology, St. Louis, MO. April, 1984.
- "Diet Affects Norepinephrine Turnover in Obese (ob/ob) Mice." International Congress on Obesity, New York City. October, 1983.
- "The Role of the Sympathoadrenal System in the Development of Obesity." National Omicron Nu Conclave, The University of Oklahoma. July, 1983.
- "Norepinephrine Turnover Rates (NETR) in Interscapular Brown Adipose Tissue (IBAT) of Thyroxine (T4)-Injected Obese (ob/ob) Mice." American Institute of Nutrition, Triennial Summer Meeting, Pennsylvania State University. July, 1982.
- "Norepinephrine Turnover rates (NETR) in Young and Adult ob/ob Mice (OM)." Federation of American Societies for Experimental Biology, New Orleans, LA. April, 1982.

- “Reduced Sympathetic Nervous System (SNS) Activity in Brown Adipose Tissue (BAT) of Obese (ob/ob) Mice.” Federation of American Societies for Experimental Biology, Atlanta, GA. April, 1981.
- “Cytochrome Oxidase and Na⁺,K⁺-ATPase Activities in Brown Adipose Tissue of Obese (ob/ob) Mice.” Federation of American Societies for Experimental Biology, Anaheim, CA. April, 1980.
- “Guinea Pig Growth as an Assay for Evaluating Dietary Fiber.” American Institute of Nutrition, Triennial Summer Meeting, Michigan State University. July, 1976.

Internal Grants Awarded:

- Junior Faculty Summer Research Fellowship awarded by the Graduate College. Norepinephrine turnover in skeletal muscle and kidney of obese (ob/ob) mice. Amount \$3,500. Summer, 1984.
- Research Council. Aldosterone, nutrition, and fat metabolism. Amount \$5,000. September, 1984. (with L. Devenport)
- OU Associate's Research Funds. Aldosterone, nutrition, and energy metabolism. Amount, \$8,843. October, 1984. (with L. Devenport)
- College of Allied Health Seed Grant Funds. Nutrition counseling in the physically disabled, in couples, and in Native American children. Amount, \$6,000. 1994.

External Grants Awarded:

- Pepper Center. Diet and exercise effects on claudication in the elderly. \$10,000. January 2014-December 2014. (Co-PI with Andrew Gardner)
- United States Department Agriculture. SNAP-ED Program. Food Insecurity. October 2011-September 2014. This is a large-multidisciplinary project; I am responsible for conducting school interventions to improve understanding of the new My Plate icon. (Investigator, 15% effort, with R. John)
- National Institutes of Health. American Indian Diabetes Prevention Center. October 2007-2011. This is a large multi-disciplinary project; I serve as nutrition consultant to a number of core projects. (Investigator, 10% effort, with N. Henderson)
- National Institutes of Health. Native Healthy Lifestyle: A Return to Balance. September 2006-2011. (Co-PI, 10% effort, with E. Lee)
- Centers for Disease Control. Obesity Prevention Network. \$10,000. September 2000-2003. (Co-P.I. with R. Oman)
- Oklahoma Center for Advancement of Science and Technology. Development of a Fortified Alternative Gelatin. \$79,363. October 1999 - September 2001. (Co-P.I. with P. Landers)
- Centers for Disease Control. Oklahoma Center for Prevention Research in Native Americans. March 1999-2000. (Named core faculty with E. Rhoades as P.I.)
- Presbyterian Health Foundation. Matriarchal Influence on Spousal Eating Habits. \$24,300. December 1, 1995-March 31, 1997. (P.I.)
- Gatorade Sports Science Institute. The Effect of Creatine Monohydrate Supplementation on the Anaerobic Alactate Energy System of NCAA Division I Football Players. (Co-PI with M. Bembem)
- Gatorade Sports Science Institute. Chromium Picolinate Supplementation for the Potential Enhancement of Body Composition and Neuromuscular Performance During Preseason Training in NCAA Division I Wrestlers. \$1,500. July 1995-June 1996. (Co-P.I. with M. Bembem)
- Centers for Disease Control. Oklahoma Center for Prevention Research in Native Americans. \$2,162,492. September 1994-August 1998. (Co-P.I. with E. Lee)
- National Association for Sport and Physical Education. Resistance Program and Effect on Lipoprotein Profile in 50-70 Years Olds. \$1500. November 1993 - October 1994. (Co-P.I. with M. Bembem)
- Oklahoma Center for the Advancement of Science and Technology. Corticosteroid Effects During Calorie Restriction. \$59,892. September 1991-1993. (P.I.)
- National Institutes of Health, U.S. Department of Health and Human Services. Preventive Cardiology Academic Award. \$693,716. July 1991-1996. (Co-P.I. with R. Wild)
- Presbyterian Health Foundation. Glucocorticoids in the Zucker rat. \$15,000. January, 1990-1991. (P.I.)
- Oklahoma Center for the Advancement of Science and Technology. Dietary Requirements for Recovery from Malnutrition. \$58,668. September, 1988-1991. (Co-P.I. with S. Glore)

National Institutes of Health, U.S. Department of Health and Human Services. Aldosterone, Body Fat, and Dietary Shifts. \$259,398. April, 1987-1990. (Co-P.I. with L. Devenport)

National Institutes of Health, U.S. Department of Health and Human Services. Aldosterone, Body Fat, and Dietary Shifts. \$80,224. 1985-1987. (Co.P.I. with L. Devenport)

Shaklee Corporation, Norman Branch. Folicin Supplementation During Pregnancy. \$5,000. 1985. (P.I.)

International Fitness Centers. A Computer Assisted Prototype Health-Fitness Promotion Program. \$26,689. 1984-1985. (Co.P.I. with R. Ratliff and J. Fagan)

External Grants Submitted as Principal Investigator and Approved but Not Funded:

Prader-Willi Syndrome Association – USA. The Impact of Physical Activity and Diet on body Composition and Functional Ability in Individuals with Prader-Willi Syndrome across the Lifespan. \$74,819. Submitted 2016.

University of Missouri subcontract to Maternal and Child Health. Community Interventions to Improve Health Behaviors in Children with Autism. \$150,000. Submitted 2013.

Nestle HealthCare Nutrition, Inc. The Effect of Enteral Nutrition on Postoperative Nutritional and Surgical Outcomes after Pancreatic Resection. \$43,510. Submitted 2012.

OCAST. Food Commercials Impact on Adult's Next Meal Consumption. \$30,604. Submitted 2012.

National Institutes of Health. Novel Approach to Body Composition Assessment. Submitted 2009.

National Institutes of Health and Indian Health Service. Native American Research Center for Health. Diet, Activity, and Weight During and After Pregnancy. \$2,000,000. Submitted, 2001.

Centers for Disease Control. Diet, Activity, and Weight During and After Pregnancy. \$149,332. Submitted 2000.

American Heart Association - Oklahoma Affiliate. Matriarchal Influence on Spousal Dietary Habits to Reduce Cardiovascular Risk. \$26,500. Submitted 1995.

National Institutes of Health, National Cancer Institute. 5-A-DAY in Oklahoma Schools. \$898,249. Submitted 1992.

Presbyterian Health Foundation. Corticosteroid Effects on Tissue Catabolism During Weight Loss. \$15,032. Submitted 1990.

Oklahoma Center for the Advancement of Science and Technology. Corticosteroid Effects During Caloric Restriction. \$86,108. Submitted 1990.

American Heart Association - Oklahoma Affiliate. Corticosteroid Effects on Tissue Catabolism During Weight Loss. \$63,373. Submitted 1989.

National Institutes of Health, Academic Research Enhancement Award. Adrenal Hormones, Diet and Obesity Development. \$99,136. Submitted 1989.

American Heart Association -Oklahoma Affiliate. Exercise and Diet Effects on Norepinephrine Turnover in Rats. \$16,357. Submitted 1984.

Active Research Projects:

Diet and exercise interventions to treat claudication.

Community efforts to combat obesity. OK Dept of Human Services \$1.398M total grant. 2.5% FTE. (R. John PI)

Published Abstracts:

New J, Sisson SB, Arnold SH, DuBose K, Knehans A. Association of physical activity level and body mass index with motor skills in preschool children. Medicine and Science in Sport and Exercise Supplement 2015.

Hartman M., Cramer J., Bemben D., Anderson M., Knehans A., Shehab R., and Bemben M. Age-related changes in skeletal muscle activation following short-term strength training. Medicine and Science in Sport and Exercise, 40(5):S261, 2008.

Fjeldstad, C., Pardo, G., Bemben, M., Bemben, D., Cramer, C., Anderson, M., and Knehans, A.

- Decreased postural balance in MS patients with low disability. *Journal of Neurology*, 255(S2):573, 2008.
- Bemben, M., Malone, S., Knehans, K., and Bemben, D. Relationship between serum leptin and bone density in young and older women. *Medicine and Science in Sport and Exercise*, 39(5): S438, 2007.
- Bemben, D., Malone, S., Knehans, A., and Bemben, M. Comparison of aerobic and resistance training on leptin levels in women. *Medicine and Science in Sport and Exercise*, 39(5): S455, 2007.
- H. Hull, M. Dinger, A. Knehans, D. Thompson, and D. Fields. Impact of maternal body mass index on neonate birth weight and body composition. *Obesity Research* 15:A46 (146-OR), 2007.
- Fields, D., H. Hull, M. Dinger, A. Knehans, D. Thompson, and L. Pratt. Effect of gestational age on birth weight and composition. *Obesity Research* 15:A72 (227-P), 2007.
- D. Fields, M. Morrow, N. Randall, A. Knehans, and M. Dinger. Freshman Fifteen: Fact or Fiction? *Obesity Research* 13, A66 (257-P), 2005.
- P.R. Turner, C.E. Burgin, K.M. Funderburg, J. Van Grevenhof, A.W. Knehans. Personal digital Assistants: Do Dietitians Use Them? *J. Amer. Dietetic Assoc.* 105, A37, 2005.
- Carter, J., Witten, M., Bemben, D., Knehans, and Bemben, M. Effect of isotonic resistance training and creatine and/or protein supplementation on isokinetic muscle function in older men. *Research Quarterly for Exercise and Sport*, 75(1): A6, 2004
- A.W. Knehans, C. A. Hasseberg, M. Anderson, E.L. Taylor. Dietetic Preceptor Educational Needs From Preceptor, Student and Faculty Perspectives. *FASEB J. Late Breaking Abstracts*, A60, 2004.
- A.W. Knehans, M. Leyva, M. Anderson and W. Moore. Body Composition and Fitness in Native American Children. *FASEB J.* 16, A1018, 2002.
- G. Woodward-Lopez, R. Oman and A.W. Knehans. Determinants of Energy Imbalance: A Review of Existing Knowledge. National Conference on Chronic Disease Prevention and Control, 2002.
- D. Bemben, T. McCloskey, M. Bemben and A. Knehans. Body composition and bone density in type 2 diabetics and in non-diabetics. *Medicine and Science in sports and Exercise* 33(5), S106, 2001.
- D. Bemben, T. Buchanan, M. Bemben and A. Knehans. Effects of mechanical loading and menstrual status on bone density ni women collegiate athletes. *J Bone & Mineral Research* 15, S526, 2000.
- W.E. Moore, M.D. Hall, A.W. Knehans and E.R. Rhoades. Descriptive dietary information on a young Native American population. *Prevention Center Scientific Conference Proceedings*, 2000.
- M.G. Bemben, N. Nabavi, D. Bemben and A. Knehans. Body composition from hydrostatic weighing and dual energy x-ray absorptiometry in early postmenopausal women. *The Gerontologist*, 1999.
- A.W. Knehans, J.J. Laskin, S.M. Fuller and V. Rousseau. Dietary intake and eating habits of people with physical disability. *American College Sports Medicine-Central States Chapter Abstracts*, 7, 1998.
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