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Collaborative Studies

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Introduction

Speakers Brought to SDSU

Student Involvement

Formal Courses or Lectures at SDSU & in the Community

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Introduction

Pilot Projects Funded through the EAM Program

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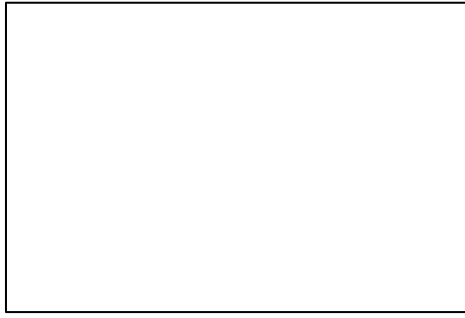
Publications

National & International Presentations

Honors & Awards

Dr. Ethel Austin Martin graduated from SDSU in 1916 and went on to do graduate work at Columbia University and the University of Chicago. She taught at several institutions before joining the National Dairy Council in 1929, where she served as Director of Nutrition Services until her retirement. Dr. Martin was a distinguished nutritionist who was instrumental in developing research grant programs, instituting nutrition conferences, founding journals, and writing several nutrition textbooks.

Before her death in 1993 at age 100, she established an endowment at SDSU with the ultimate objective of providing for a permanent professorship to ensure continuing high-



You can go anywhere from here!

The E.A. Martin Program has a mobile research unit that moved the laboratory to the field. On board, state-of-the-art imaging equipment can be used for bone measurements and body composition analyses. This equipment includes a dual energy x-ray absorptiometer (DXA, Hologic Discovery/Apex) and two peripheral quantitative computed tomography for both arm and leg use (pQCT XCT 2000 & XCT 3000, Norland/Stratec).

The E.A. Martin Nutrition Committee assists the Chair in the general plans and activities for implementing the different phases

Graduate (Advisees):

Melissa Elder, M.S. Student in Nutrition & Food Science, graduated June 1999: "Variety and Frequency of Foods Present in Diets of 12 Month Old Infants and Their Translation to the Presence of a Variety and Frequency of Foods at 36 Months of Age"

Mona Rosene, M.S. Student in Nutrition & Food Science, graduated June 1999: "Effects of Glutamine Supplementation on Lean Body Mass in Wrestlers During Weight-Loss". Mona won the regional 1999 American College of Sports Medicine graduate student competition and the 1999 SDSU Sigma Xi M.S. Paper Award. She is a nutrition research scientist at WhiteWave Foods

Karen Wosje, M.S. Student in Nutrition & Food Sciences, graduated June, 2000: "Relationship Between Bone Mass and Lifelong Calcium Intake and Activity Levels in the Female Hutterite Population". Karen won numerous awards including SDSU Sigma Xi M.S. Proposal Award, SDSU Sigma Xi M.S. Paper Award, and SDSU Sigma Xi Ph.D. Proposal Award. She also was the recipient of the Phi Upsilon Omicron Educational Foundation's Geraldine Clewell Doctoral Fellowship. PhD. in Biological Sciences 2003: "Leptin and Regional Bone Mass and Body Composition". She was Assistant Professor Pediatrics at the University of Cincinnati/Children's Hospital Medical Center.

Darcy Hefty, M.S. Student in Nutrition and Food Science, graduated June, 2001: "The Relationship of Childhood Adiposity to Parental Eating Behaviors". She completed her Ph.D. at Iowa State University and is currently completing a post-doc at Pennington Research Labs in Baton Rouge, LA.

Deb Ekanger, M.S. Student in Nutrition and Food Science, graduated June, 2002: "The Timing of the Introduction of Solid Food to the Infant Diet and Its Relationship to the Development of Allergy Precursors". She is currently a dietitian in Dickinson, N.D.

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2002 - 2006

1st Annual Children's Environmental Health Seminar, SDSU, Brookings, SD, July 2006 (Specker)
"Research Methods" for University Affiliated Program USD (1-day lecture), summer 2006 (Binkley)
Speaker (live) on Homespun Medicine, WBRK Radio, Brookings, "National Children's Study Update & the SDSU Children's Environmental Health Seminar" June & October, 2006 (Specker)
Speaker, Sioux Falls Rotary Club, "National Children's Study", November 2006 (Specker)
Recorded two shows for Homespun Medical Tips, to be broadcasted throughout South Dakota later in 2006: "National Children's Study Update" and "Importance of Vitamin D during South Dakota Winters." (Specker)

*Teresa giving a lesson on research methods for the
USD LEND program*

One of the primary purposes of the E.A. Martin Program in Human Nutrition is to advance knowledge in the science of human nutrition through an interdisciplinary approach. The current ongoing educational and research programs incorporate interdisciplinary approaches to human nutrition through the participation of other departments, faculty, and staff. In addition, the E.A. Martin Program also provided pilot project research awards in 1998-2000 to SDSU faculty who proposed collaborative nutrition projects that utilize a multidisciplinary approach. The educational components of the E.A. Martin Program are evident in many of the colleges at SDSU and at other institutions throughout the region.

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Effects of Glutamine Supplementation on Lean Body Mass and Performance in Wrestlers during a Weight Loss Program. Drs. Finn, Rosene, Kattelmann (Departments of HPER/Athletics and Nutrition & Food Sciences)

Changes in Isoflavone Characteristics During Extrusion Processing. Drs. Muthukumarappan, Julson, Wang and Krishnan (Departments of Agricultural Engineering and Nutrition & Food Sciences)

Beef, Cattle Production and Leafy Spurge. Drs. Kronberg, Evenson, Halaweish and Rice (Departments of Animal & Range Sciences and Chemistry/Station Biochemistry)

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Obesity and Infertility – The Relationship of Body Fat and Fertility. Drs. Diggins and Granholm (Augustana College and Biology & Microbiology at SDSU)

Effects of Dietary Mustard Oil on the Development of Colon Cancer. Drs. Dwivedi and Mistry (Departments of Pharmaceutical Sciences and Dairy Sciences)

Application of Ozone Technology in Beef Processing. Drs. Muthukumarappan, Halaweish, Wulf and Henning (Departments of Agricultural & Biosystems Engineering, Chemistry & Biochemistry, Animal & Range Sciences, Dairy Sciences)

Mass Spectroscopic Measurement of Folic Acid and Its Derivatives in Food and Biological Fluids (Drs. Krishnan, Kattelmann and Muthukumarappan. Departments of Nutrition & Food Sciences and Agricultural Engineering)

Female Friendly Food Systems. Drs. Rickerl and Swanson (Agroecology and Department of Nutrition & Food Sciences)

2000

Assessing Antibiotic Resistance in Cattle Using a Microbial Population Approach, Drs. Epperson and Pritchard (Departments of Veterinary Science and Animal & Range Sciences)

The Effect of Soy Phytochemicals on Human Cortical Neuronal Cells, Drs. Mukerhee, Sonee, Guan and Wang (Departments of Pharmaceutical Sciences and Nutrition, Food Science & Hospitality).

2002-2006

Wosje: Presentation, "CLA Supplementation, IGF-I, and Body Composition in Overweight Females" at the AmerC-4 (t th)-4 (e)-4 (42

