

CURRICULUM VITAE

DONALD H. BEERMANN

Professor and Chair, Department of Animal Science

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ACADEMIC TRAINING

- Ph.D. Muscle Biology and Human Physiology
(Joint Majors), University of Wisconsin, Madison - 1976
- M.S. Meat and Animal Science
University of Wisconsin, Madison - 1974
- B.S. Animal Science, Iowa State University - 1971

FIELD OF SPECIALIZATION AND SPECIAL INTEREST

Regulation of Metabolic and Cellular Aspects of Skeletal Muscle Growth
Regulation of Nutrient Partitioning and Animal Growth Biology
Physiology and Biochemistry of Muscle as Food

PROFESSIONAL EXPERIENCE

Professor and Chair, Department of Animal Science, Iowa State Univ., January 5, 2015 – present
Interim Director School of Veterinary Medicine and Biomedical Sciences and Interim Assoc. Dean
Professional Program in Veterinary Medicine, University of Nebraska-Lincoln, January 1 –
December 31, 2014
Director of Special Projects, Institutional Animal Care Program, University of
Nebraska-Lincoln January - July, 2013
Director Institutional Animal Care Program and Research Compliance, University of
Nebraska-Lincoln 2007-2012
Professor & Head Animal Science, University of Nebraska - Lincoln 1999-2007
Professor Animal Science & Food Science, Cornell University 1993-1999
Associate Professor Animal Science & Food Science, Cornell University 1984-1993
Assistant Professor Animal Science & Food Science, Cornell University 1978-1984
Postdoctoral Fellow U. of Wisconsin, Department of Neurophysiology 1977-1978
Postdoctoral Fellow Wisconsin Heart Association 1976-1977

SABBATICAL LEAVES

The Rowett Research Institute, Aberdeen, Scotland, Dr. Peter Reeds, June through December, 1985

PROFESSIONAL SOCIETY MEMBERSHIPS

American Association for the Advancement of Science
American Society of Animal Science
American Meat Science Association
American Registry of Professional Animal Scientists
ARPAS - Charter Diplomate, American College of Animal Food Science
Council of Agricultural Science and Technology
Gamma Sigma Delta
Sigma Xi University of Nebraska Chapter, 2004; President 2008

HONORS AND AWARDS

Fellow – American Society of Animal Science, 2016
Vice Chancellor’s Award for Invaluable Service – Office of Res. & Economic Develop., 2011
Sigma Xi, University of Nebraska-Lincoln Chapter, President 2008-2009
Nebraska Cattlemen Industry Service Award, 2007
Fellow - American Meat Science Association, 2006
Signal Service Award - American Meat Science Association, 2002
Phi Beta Delta, Nebraska Chapter - 2000 - 2014, President 2005
Trout Invited Lecturer, Michigan State University, 2000
Fellow - American Association for the Advancement of Science, 1999
Distinguished Research Award - American Meat Science Association, 1996
Invited Lectureship Nutritional Sciences Council, Iowa State University - 1995
Wise Burroughs Invited Lecturer, Iowa State University, 1989
Alpha Zeta, Wilson Chapter 1971; Honorary Member Cornell Chapter, 1980; Advisor, 1993- 1999
Gamma Sigma Delta, Iowa State University, 1971; Charter Member Cornell University, 1986;
University of Nebraska-Lincoln, 1999 – 2014, Iowa State University, 2015 - present

PROFESSIONAL ASSIGNMENTS

AAALACi Program Description Coordinator, University of Nebraska-Lincoln – 2013-2014

American Meat Science Association Educational Foundation Trustee 2008 - 2011

Federation of Animal Science Societies

President-Elect, President, Past-President - 2002, 2003, 2004

American Society of Animal Science

President-Elect, President, Past-President - 1999, 2000, 2001

Northeast Director - 1996 to 1998

Program Secretary - 1996

Northeast Section American Society of Animal Science

Secretary, Vice President, President - 1996, 1997, 1998

Journal of Animal Science

Section Editor, Meat Science and Muscle Biology - 1992 to 1995

Editorial Board - 1980 to 1983 and 1986 to 1989

American Meat Science Association

Chair, Foundation Development Committee - 2001

Director and Executive Board, 1987 to 1989

National Research Council Sub-Committee on Metabolism Modifiers, 1990-94

Presented seminars and participated in research program reviews and workshops for American Cyanamid, Pharmacia-Upjohn, Pitman-Moore, Elanco Animal Health, Merck, Monsanto, and Smith-Kline. Served on USDA NRI and SBIR review panels. Served on the Scientific Advisory Board, ADViSYS, Inc., The Woodlands, Texas and served as Chair, UNL IANR Unit Administrators.

SELECTED EXAMPLES OF INTERNATIONAL EXPERIENCE

- **Iowa State University Center for Sustainability of Rural Livelihood – Team Participant, Kamuli, Uganda, 2015**
- **New Animal Health Technology and Global Regulation, Symposium sponsored by Elanco**

Animal Health, Greenfiled, IN, Beijing, China, August, 2007

- **FIPSE Undergraduate study tour to University of Chapingo** Texcoco, Mexico, 2004
- **University of Nebraska-Lincoln Collaborator Workshop - Tibet College of Agriculture and Animal Husbandry, Tibet; and Sechuan Agricultural University, Yaan, China,** September, 2001.
- **Sicarne International Beef Symposium:** Invited lecture “Understanding and Influencing the Biology of Cattle Growth”, Veracruz, Mexico - May, 2000.
- **Congress of Chinese Association of Animal Products Processing,** Nanjing, 1999; Invited Lecturer, lectures and seminars at Nanjing Agricultural University, October 12-15, 1999.
- **British Society of Animal Science** meetings; invited paper and poster, Scarborough, UK, April, 1999.
- **Collaboration in Sustainable Agriculture and Development in China Workshop,** Sechuan Province, Chengdu, China, Cornell University, July 19-23, 1998.
- **International Workshop on Agricultural Biotechnology,** Piracicaba, Brazil - December 7-11, 1997.
- **Collaboration in Sustainable Agriculture and Development in China Workshop,** Shanghai, China, October 12-14, 1997.
- **European Commission Scientific Conference on Growth Promotion in Meat Production,** Brussels, Belgium, 1996, presented the plenary lecture on “Existing and Emerging Strategies for Enhancing Efficiency and Composition of Meat Animal Growth”, conference participation
- **Pig Research Council of Australia** – sponsored by the PRC for a three-week lecture tour to present research results on effects of somatotropin in growing-finishing swine to industry leaders, academic faculty and staff, and government research staff , August, 1988

Teaching Experience

During the 21 years at Cornell University a 50% teaching appointment was fulfilled through teaching the following courses for most of those years: Animal Growth Biology (300 level); Meat Science (200 level); Animal Growth and Metabolism (graduate level- team taught); Commercial Meat Processing (graduate/undergraduate level). Approximately 20 undergraduate students were advised on an annual basis. During the 8.5 years as department head, an undergraduate Senior Seminar course was taught.

Research Experience

A 50% research appointment at Cornell University was focused on animal growth biology and mechanisms by which endocrine influences, select synthetic beta-adrenergic agonists and somatotropin increase skeletal muscle growth, alter metabolism and affect physical and chemical characteristics of muscle as a food. Over 25 graduate students, four post-doctoral fellows and four visiting scientists contributed to the research program.

SCIENTIFIC PUBLICATIONS SUMMARY

Refereed Journals, special publications	53
Abstracts	115
Book Chapters	21
Special Assignment Publications	7
Published Invited Papers	26
Symposia Presentations	12
National/International Invited Presentations	32

