Animal Sciences Seminar
Speaker: Lawrence P. (Larry) Reynolds, Ph.D.
University Distinguished Professor of Animal Sciences, NDSU

Topic: Our Collaboration with Brazil – Placental Defects in Cloned Pregnancies

Date: Friday, March 25, 2011
Time: 3:00-4:00 p.m.
Location: Hultz Hall 104

Dr. Reynolds was born on May 31, 1953, in Winslow, AZ. While growing up, he worked as a cowboy for several local ranches and also competed in rodeos, primarily in the roping events. Dr. Reynolds received a B.S. in zoology in 1977 and an M.S. in reproductive physiology in 1980, both from Arizona State University. He received a Ph.D. in reproductive physiology in 1983 from Iowa State University, and was a postdoctoral fellow in fetal nutrition/physiology at the U.S. Meat Animal Research Center (USDA-ARS) from 1983 to 1985. Dr. Reynolds then joined the faculty of NDSU, where he currently is University Distinguished Professor of Animal Science. Dr. Reynolds also was Founding Director of the Center for Nutrition and Pregnancy. Dr. Reynolds serves as a faculty mentor for numerous junior faculty members throughout the North Dakota University system.

Animal Sciences Has Excellent Showing at Midwest Meetings

Students, faculty and staff from NDSU Animal Sciences attended the Midwest meetings of the American Society of Animal Science/Dairy Science annual meeting March 14-16 in Des Moines, Iowa.

Beth Hendrickx, Bowman, ND; Nathan Hayes, Big Lake, MN; Quynn Larson, Brandon, SD; and Phil Steichen, Ulen, MN, members of the NDSU Quadrathlon team, competed against 15 teams from universities throughout the Midwest. The team placed first in both Oral Presentation and Written Exam and second Overall. The team is advised by Dr. Kasey Carlin.

Dr. Kimberly Vonnahme was named Outstanding Young Animal Scientist in the Research category. She was recognized for her achievements in developing a nationally recognized research program in the area of reproductive physiology. Dr. Sarah Wagner was named as the Outstanding Young Animal Scientist in the Teaching category. She was recognized for her achievements in developing...
the Large Animal minor in the Veterinary Technology program. The Outstanding Young Scientist awards recognize scientists with 10 years or less of service in their professional career.

Allison Meyer and Bryan Neville were recognized as Animal Science Young Scholars. This award recognizes students who are in the process of completing their Ph.D. program or who have recently completed their degree. They are invited to give a 30-minute presentation which highlights their Ph.D. program.

Undergraduate student Phil Steichen also presented a paper entitled “Effect of feeding high sulfur vs. high crude protein diets on heifer growth and performance” (P.L. Steichen, J.K. Grant, C.L. Wright, G.A. Perry, K.A. Vonnahme, and M.L. Bauer) in the Undergraduate Oral Competition.

J.W. Schroeder chaired the Graduate Student Poster Competition and Eric Berg chaired the Growth, Development, Muscle Biology, and Meat Science Section.

Greg Lardy was recognized for his service as Midwest ASAS ADSA Director. His term on the board ended at the conclusion of the meeting.

David Buchanan and Greg Lardy each also presented invited papers. Dr. Buchanan’s paper was entitled “Teaching techniques for enhancing the learning experience of today’s students: Engaging students” and was presented in the Teaching Symposium. Dr. Lardy’s paper was entitled “You got the interview, now what? Part 1: Tips on interviewing for a graduate assistantship successfully” in the Graduate Student Symposium.

Animal Sciences students, staff, and faculty authored or co-authored six poster presentations and seven oral presentations at the meetings.

**Vet Tech Program Offers Heartworm Testing – Stacey Ostby**

Spring is just around the corner, and the staff and students of the NDSU Veterinary Technology Program would like to remind you that our student operated Veterinary Wellness Clinic offers heartworm blood testing at a very reasonable rate of $18 per dog. Heartworm spreads from dog to dog through mosquito bites; and as we all anticipate another flood, there is an increased risk of higher mosquito populations again this year. Veterinarians recommend you have your dogs’ blood tested annually between March 15 and June 1. Then provide them with a form of prevention on a monthly basis from June 1 to November 15 or until the first hard frost in your area. Appointments are available Monday through Friday during limited clinic hours. Please e-mail the clinic supervisor (Stacey.ostby@ndsu.edu) with any questions or to set up your appointment.
NDSU’s Advanced Imaging and Microscopy Laboratory recently purchased highly specialized microscopes and imaging equipment for faculty, graduate and undergraduate research with grant awards. The laboratory is located in Hultz Hall, room 203.

A Zeiss inverted Axio Observer Z1 imaging microscope, a Zeiss laser microdissection pressure catapulting system and a high-end Leica cryostat were purchased through a National Science Foundation Major Research Instrumentation Program Grant, funded under the American Reinvestment and Recovery Act, awarded to Anna Grazul-Bilska and Jane Schuh from the departments of animal sciences, and veterinary and microbiological sciences.

A Zeiss Lumar V12 stereoscope was purchased with a USDA grant awarded to Dale Redmer, professor of animal sciences, and Pawel Borowicz, research scientist in animal sciences. Redmer and Borowicz serve as co-directors of the Advanced Imaging and Microscopy Laboratory.

In combination, these research tools allow the precise visualization of micro- to macroscopic samples for downstream molecular analysis, subculture, or advanced image data analysis using the software that also is available for use in the AIM Laboratory. This highly-specialized equipment is now available for faculty, graduate, and undergraduate research. A series of seminars describing the mission of the AIM Laboratory and the equipment described above is planned for late spring and fall 2011. Currently, individual training is available for any person who would like to learn how to use this equipment.

To arrange individual training, contact one of the following: Dale Redmer (dale.redmer@ndsu.edu), Pawel Borowicz (pawel.borowicz@ndsu.edu), Anna Grazul-Bilska (anna.grazul-bilska@ndsu.edu), Jane Schuh (jane.schuh@ndsu.edu), or Scott Hoselton (scott.hoselton@ndsu.edu).

For more information on the new equipment, visit www.ndsu.edu/news/view/article/10744.
Donations Sought
The Veterinary Technology program is accepting donations of newspapers and plastic bags to utilize within our animal housing unit. Please drop off your donations at Robinson Hall, Room 101.

Advising for Summer/Fall begins – Monday, March 21
Summer/Fall Registration begins – Monday, March 28