Note: There was no Animal Sciences News the week of June 28.

Alison Ward New Faculty Member
Alison Ward recently began her position as assistant professor in nutritional epigenetics in the Department of Animal Sciences.

Alison completed all of her degrees in the College of Agriculture and Bioresources at the University of Saskatchewan. Her M.S. project was to investigate the dietary and genetic interactions that caused fishy-egg tainting in brown-shelled laying hens. After that, she began her Ph.D. investigating the effects of vitamin A restriction and mutations within the vitamin A pathway on intramuscular development in beef cattle. In 2011, she began a postdoctoral fellowship in the College of Medicine at the University of Saskatchewan studying the epigenetic regulation of a breast cancer metastasis gene in human breast cancer patients.

Alison’s hobbies include reading and volunteer work. She was heavily involved with Kin Canada, a national service club in Canada. She looks forward to joining a similar volunteer organization in Fargo and becoming involved in the community. As Alison grew up in Saskatoon, Saskatchewan (Canada), so she is not afraid of prairie winters!

Alison’s office is in Hultz 183, her email is alison.ward@ndsu.edu, and her phone number is 231-5649.

Crouse Winner at Western Section ASAS
(Matthew Crouse, M.S. student studying under the direction of Joel Caton, received third place honors in the graduate student paper competition at the Western Section meetings of the American Society of Animal Science held June 23-26 in Ruidoso, New Mexico. The title of Matt’s presentation was, "Nutrient transporters in bovine utero-placental tissues from days 16 to 50 of gestation."
Congratulations Spring Graduates
Congratulations to our 46 spring semester graduates! We wish you all the best in your future endeavors. We encourage you to keep in touch with the department. We would love to know what you are doing.

(* Magna Cum Laude, ** Summa Cum Laude, ***Cum Laude)  

Justin Bartholomay, ANSC*  
Miranda Billman, ANSC/Equine  
Miranda Clemens, ANSC  
Sara Cushing, ANSC  
Kaitlyn Ebel, ANSC***  
Douglas Garry, ANSC  
Bailey Gibbs, ANSC  
Lauren Goetze, ANSC  
Krista Gross, ANSC**  
Abbigael Gutierrez, ANSC**  
Carly Haiby, ANSC  
Ian Hall, ANSC  
Jill Hallin, ANSC**  
Kelsey Heiberg, VETS***  
Caitlin Holmes, VETS  
Kathy Hommerding, ANSC  
Mariah Jacobs, ANSC***  
Stacy Jangula, ANSC/Equine  
Sara Janson, VETS  
Emily Kedrowski, ANSC/Equine  
Evan Knutson, ANSC*  
Michelle Kuntz, ANSC**  
Tatianna Letcher, VETS*  
Paige Magelky, ANSC/Equine  
Alyssa McKinney, VETS  
Leah Middendorf, ANSC  
Leslie Miller, Equine  
Blaine Novak, ANSC  
Garrett Petersen, ANSC  
Janna Rice, Equine/ANSC***  
Kara Scherbenske, ANSC  
Allyson Seibert, ANSC  
Cami Slabaugh, Equine/ANSC**  
Dakota Suko, ANSC  
Kiersten Tepp, ANSC  
Jennifer Thomas, VETS**  
Melanie Thomas, ANSC  
Tandi Thompson, ANSC  
Megan Tieg, ANSC  
Rebecca Turnquist, ANSC  
Alicia Widhalm, Equine/ANSC  
Zachary Wiest, ANSC  

Graduate Students  
Jena Bjertness, M.S.  
Danielle Black, M.S.  
Lindsey Coupe, M.S.  
Ligia Prezotto, Ph.D.

REC Field Days  
Following is the list of remaining 2015 Annual Field Days events at the Research Extension Centers. Please visit the Research Extension Center and Agronomy Seed Farm websites for more details. The photo shows Carl Dahlen speaking at the Central Grasslands REC Field day which was held 7/6/15.

7/13/15  Agronomy Seed Farm, Casselton  
7/14/15  Carrington Research Extension Center  
7/15/15  North Central Research Extension Center, Minot – 8:30 a.m.  
7/16/15  Langdon Research Extension Center – 8 a.m.-12 noon, annual canola and field day  
8/27/15  Dickinson REC Ranch Field Day, south of Manning, ND

Kim Vonnahme was recently named as one of the top 10 reviewers for 2014-2015 for the Journal of Animal Science. As one of the top 10 reviewers, she will receive an upgrade to Open Access at no additional charge for one of her papers published in the Journal of Animal Science during the next 12 months. The journal depends on the efforts of its reviewers to maintain their status as the premier journal in animal science.

**NDSU Archives Has History of Farm Facilities** – [NDSU College of Agriculture Facebook](https://www.facebook.com/NDSUCollegeofAgriculture)

The NDSU archives has numerous photos and stories about agriculture, including animal science, on their website. These fun images give you a sense of where we came from and how far we have gone.


Information about Dakota Hall which was used for dormitory space and also served as the headquarters for the Farm Folk School, a livestock judging area, and abbatoir for demonstration and practice in the handling and curing of meats is available at [https://www.flickr.com/photos/ndsu-university-archives/18351757001/in/dateposted/](https://www.flickr.com/photos/ndsu-university-archives/18351757001/in/dateposted/)

**ANSC Personnel Participate in Course at MBL** – Larry Reynolds

Dr. Larry Reynolds, university distinguished professor of animal sciences ([https://www.ag.ndsu.edu/ansc/faculty-biographies/LRBioforANSCwebpage.pdf](https://www.ag.ndsu.edu/ansc/faculty-biographies/LRBioforANSCwebpage.pdf)), and Dr. Pawel Borowicz ([https://www.ndsu.edu/ndsucorelabs/aim-people/](https://www.ndsu.edu/ndsucorelabs/aim-people/)), director of NDSU’s Advanced Imaging and Microscopy Core Laboratory ([https://www.ndsu.edu/ndsucorelabs/aim-people/](https://www.ndsu.edu/ndsucorelabs/aim-people/)) recently participated in an Advanced Summer Course at the Marine Biological Laboratory (MBL) in Woods Hole, MA ([http://www.mbl.edu](http://www.mbl.edu)).

The course, *Frontiers in Reproduction* ([http://fir.mbl.edu](http://fir.mbl.edu)), is in its 18th year and has over 300 graduates from around the world. The course runs for six weeks, 15 hours per day, six days per week. The twenty students each year are from every continent (excluding Antarctica) and range from senior Ph.D. students, to postdoctoral fellows, to medical fellows, to junior faculty. Reynolds served for his fourth year as co-director of the course and was responsible for organizing the last two-week section, “Implantation, Development of the Reproductive Tract and Transgenesis.” This was the 7th year overall that Reynolds has participated in the course. His first three years were as an instructor. As co-director, Reynolds determines what faculty will participate in his two-week section (15 faculty this year) and also is responsible, along with the course coordinator and lead TA, for ensuring successful lectures and labs his section. “We bring the world’s experts in each of the areas and sub-specialties. Because of that, our graduates are consistently much more successful in their careers than their peers,” said Reynolds.
Borowicz served as a lab instructor, presenting the laboratory “Laser Capture Microdissection.” Borowicz was a student in 2008, and has served as an instructor several times since. “These really are top-notch students, and being in a place like the Marine Biological Laboratory allows us to present state-of-the-art methods to them using the latest equipment,” said Borowicz.

The Marine Biological Laboratory is the premiere research laboratory in the world, and has a strong Advanced Summer Course Program (http://www.mbl.edu/education/summer-courses/). Some of the courses have been held each year since the 1890s. In addition, more than 50 Nobel laureates, mostly in the categories of physiology or medicine, have been affiliated with the MBL as students, faculty, staff, or visiting scientists – 16 since 2000 alone (http://www.mbl.edu/nobels/)! “We feel very privileged to be affiliated with such a premier institution and to spend time in such an outstanding environment,” said Reynolds.

Several other Animal Sciences Department personnel have also participated in Frontiers in Reproduction in the past. Dr. Anna Grazul-Bilska, professor (https://www.ag.ndsu.edu/ansc/people/faculty/anna-grazul-bilska), was a student in the first class in 1998 and subsequently served as an instructor several times and also was an invited speaker at the annual FiR Symposium which is held each year in conjunction with the course. Dr. Dale Redmer, professor (https://www.ag.ndsu.edu/ansc/people/faculty/dale-redmer), also participated in the course several times as an instructor. In addition, one of Dr. Grazul-Bilska’s Ph.D. students, Ewa Borowczyk, was a student in the course.

Recent Publication

**Department Personnel Contribute to Jr. Animal Scientist** –

“The July issue of Jr. Animal Scientist has made its way into the homes of our Jr. Animal Scientist members. The issue is ‘All About Animal Models.’ It’s the perfect beach read this summer!

“A special thank you to our contributing writers from North Dakota State University: Faithe Doscher, Jamie Keomanivong, Victoria Kennedy and Kimberly Vonnahme!”

Jr. Animal Scientist is a publication of the American Society of Animal Science.

**Grilling on Campus – NDSU Safety Newsletter, June 2015, Pg. 2**

Summer days automatically bring thoughts of grilling to many people. Grilling can bring some challenges, however, so it is important to know the Outdoor Guidelines that have been established for NDSU.

University departments and recognized student organizations/clubs may be allowed to hold grilling activities in designated areas on campus by making a reservation through Facilities Management. Depending on the event, the group may be required to complete the NDSU Facility Use Agreement. For groups larger than 250, a reservation shall be made with NDSU Dining Services in accordance with Policy 407.

Outside groups/vendors will be required to complete the NDSU Facility Use Agreement and be approved before they are allowed to participate in any grilling activity.

Some general guidelines to follow are:

- Grilling operations shall be located at least 20 feet away from any building or structure.
- Grills must be attended at all times and maintained in a clean and sanitary condition.
- Ensure clean/sanitary conditions and proper preparations/serving of food to avoid contamination and possible health hazards.
- Charcoal grills are NOT allowed.

For complete guidelines and more information, the NDSU Outdoor Grilling Guidelines can be found at [http://www.ndsu.edu/fileadmin/policessafety/sop/GrillingGuidelines.pdf](http://www.ndsu.edu/fileadmin/policessafety/sop/GrillingGuidelines.pdf).

The NDSU Facility Use Agreement Guide and forms can be found at [http://www.ndsu.edu/general_counsel/forms/](http://www.ndsu.edu/general_counsel/forms/).