

NDSU

VOLUME 2 ISSUE 29

IT'S HAPPENING AT STATE

OCTOBER 20 2010

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Federal official visits NDSU Research and Technology Park

Assistant Secretary of Commerce for Economic Development John Fernandez visited the NDSU Research and Technology Park Oct. 11 for a tour and roundtable discussion with university researchers and local business leaders.

Fernandez was in Fargo-Moorhead to participate in the Red River Valley Research Corridor: Milestones and Horizons II Summit, sponsored by Sen. Byron Dorgan. He took the opportunity to view NDSU's nationally known Research and Technology Park.

Fernandez, who is the administrator of the U.S. Department of Commerce's Economic Development Administration (EDA), spent nearly two hours at the park. He toured the Technology Incubator and participated in a roundtable discussion with NDSU President Dean L. Bresciani; Phil Boudjouk, vice president for research, creative activities and technology transfer; park administrators; and representatives of the Greater Fargo Moorhead Economic Development Corporation (GFMEDC) and Lake Agassiz Regional Council.

"Secretary Fernandez offered a refreshingly candid perspective on economic development opportunities for the nation and our region," said President Bresciani. "It was obvious to me that NDSU is in sync with emerging priorities, and our conversation further confirms my vision for the future potentials of NDSU."

Tony Grindberg, executive director of the Research and Technology Park, said, "The EDA's investment here has been significant over the past eight years. EDA provided \$1.75 million for our incubator project and a total of \$2.4 million during that time. The park is a shining



President Bresciani met with John Fernandez, assistant secretary of commerce for economic development.

example of economic development through entrepreneurship, innovation and partnerships – the kind of growth and advancement the GFMEDC wants for our region's economy."

Grindberg said NDSU alumnus Robert Olson, who is the EDA regional director based in Denver, encouraged Fernandez to tour the park's facilities to see the results of EDA's investment firsthand.

Among his duties, Fernandez leads the federal economic development agenda by promoting innovation and competitiveness for success in the global marketplace. The former mayor of Bloomington, Ind., he was sworn into office on Sept. 14, 2009. Fernandez earned his bachelor's degree, master of public affairs degree and law degree from Indiana University.

United Way campus campaign begins, video features member of NDSU

NDSU's 2010 United Way "Live United" campaign began Oct. 18, with a goal of \$128,000. According to Char Goodyear, campus campaign coordinator and assistant to the vice president for university relations, that figure represents a 5 percent increase from last year.

"I really urge people to consider making a pledge because the campaign helps so many people," Goodyear said. "Last year, more than 140,000 men, women and children in Cass and Clay counties were impacted by United Way-funded agencies and programs."

Continued...

NDSU www.ndsu.edu/itshappening

News and events

As information becomes available, news and event updates will be located on the "News and Events" website at www.ndsu.edu/news.

World iView scheduled

Joy Sather-Wagstaff will present "Meeting the Challenge of Genocide in a Globalized World: Memorial Museums as Institutions for Conscience," from noon to 1 p.m. in the Memorial Union Century Theater.

Halloween Costume Contest set

The NDSU Bookstore in the Memorial Union will host their annual Halloween Costume Contest on Oct. 29. Prizes will be awarded by scariest, funniest and best group costume.

Tapestry of Diverse Talents nominations sought

All materials for Tapestry of Diverse Talents nominations must be received in the Student Activities Office by 5 p.m. on Friday, Nov. 5. E-mail questions to Moga.Kareem@ndsu.edu.

Among the people receiving assistance was the family of Shelley St. Aubin, special project technician for the NDSU Libraries. Her family is featured in the 2010 campaign video as her husband, Dennis, discusses how the Prescription Assistance Program helps with the cost of insulin for his diabetes.

"I don't think a lot of people realize what a range of programs that the United Way helps to fund," St. Aubin said, noting there are 57 agencies and programs funded by the organization. "My main point is we are just a regular middle-class family – your co-worker, your neighbor, your friend, your classmate. We are just regular people whose lives were impacted in a very positive way by the availability of a program that helps my husband to stay healthy, and allows us to afford his medication without having to work three or four jobs. It is a simple program with far-reaching benefits to our family and others like us."

According to Goodyear, more than 85 cents of every contributed dollar go to local agencies and more than 99 cents stay in our community. She said a contribution of \$1 per week provides a week of food and nourishment for a victim of a disaster and 20 hours of companionship for a senior citizen. A gift of \$5 per week gives five homeless women an education program to expand their skills and job readiness and provides 10 students with a backpack and the supplies they need to go to school.

The United Way again will focus on e-pledging. Faculty and staff will receive information later this month about this important United Way effort to go green and help the environment.

The goal for the total United Way of Cass-Clay 2010 community campaign is \$5 million. For more information about United Way, visit www.unitedwaycassclay.org. For information about the NDSU campaign, visit www.ndsu.edu/president/united_way_campaign.

Nursing department receives \$7,500 scholarship matching grant

The Department of Nursing received a \$7,500 matching grant from the Dakota Medical Foundation to support scholarships for nursing students.

The grant award is contingent on the Department of Nursing raising matching dollars. Dakota Medical Foundation will provide a direct match, up to \$7,500, for all scholarship dollars donated by alumni. This opportunity allows alumni gifts to have a double impact.

"This joint scholarship program has a direct, tangible impact on the education and careers of our NDSU nursing students," said Loretta Heuer, associate dean for nursing. "A degree in nursing opens the door to countless opportunities. Since a number of young adults struggle financially to complete their college education, these scholarships assist them in reaching their dream of becoming nurses."

Individuals interested in supporting this scholarship opportunity should call Heuer at 1-7772 for more information.

Dakota Medical Foundation, Fargo, focuses its efforts on improving health and access to medical and dental care in the region with a special emphasis on children. Since 1996, the foundation has invested more than \$39 million to more than 341 nonprofit organizations in the region. Visit www.dakmed.org for more information.

Northern Plains Ethics Institute launches new website

The Northern Plains Ethics Institute at NDSU recently launched a redesigned website, www.plainsethics.com, that includes many new features.

The new site provides information on the study of ethics and an extensive "Program and Resources" section that includes publications from the institute, various online resources and links to other noteworthy organizations arranged by subject matter. To provide access to a larger audience, the site also features video of recent events sponsored by the institute.

A new feature of the site is the "Rumination Room" that utilizes Facebook's discussion capabilities. Every month, the institute will provide a new topic for visitors to "ruminate." Everyone can then participate in an online dialogue on the issue via Facebook. Dennis Cooley, associate director of the institute and associate professor of philosophy, will moderate the discussions.

The mission of the institute is to promote democratic participation in social and ethical issues affecting the Red River Valley and beyond. The hope is the new site will be a starting point for those who want to learn more about ethics by increasing participation and stimulating engaged discussion about how ethics affects everyday living.

For more information about the website, contact Kathleen Cox at 1-5121 or kathleen.t.cox@ndsu.edu.

Alcohol use survey to be administered to students

The Office of Orientation and Student Success will survey students on their alcohol use and how they perceive the norms surrounding alcohol use at NDSU. The survey, which will start Oct. 27, is being conducted at all 11 North Dakota state institutions of higher education and is endorsed by the N.D. Higher Education Consortium for Substance Abuse Prevention.

Data from the survey will be used to implement programs, services and policies aimed at reducing the harmful effects of high risk alcohol and drug use among NDSU students. Data will be compared to previous surveys conducted in 2001, 2003, 2005, 2006 and 2008 to determine trends in student use and perceptions.

Close to 1,000 students will be surveyed in classrooms selected through a stratified random sample procedure. The survey will take approximately 25 minutes to complete. Surveys will be administered by the IRB approved research team. The project has received IRB expedited review and approval, and will follow protocol for informed consent.

Instructors of classes selected in the sample will be notified for their permission to administer the survey. Questions about the survey may be directed to Laura Oster-Aaland at 1-7750 or laura.oster-aaland@ndsu.edu.

New scholarship honoring Danielson established



Danielson

A new scholarship has been created with the NDSU Development Foundation in honor of Russ Danielson's contributions to the livestock industry in North Dakota. The scholarship was announced at the North Dakota Stockmen's Association Convention on Sept. 25. Lead donors, including alumni and friends of the Department of Animal Sciences, have pledged more than

\$40,000 to create the scholarship.

Danielson is a professor emeritus with the Department of Animal Sciences. His career at NDSU spanned more than 40 years and included teaching beef cattle production and introduction to animal sciences courses. He also advised the Saddle and Sirloin Club for many years.

Contributions to the scholarship fund can be sent to:

NDSU Development Foundation
ATTN: Peter Nygaard
PO Box 5144
 Fargo, ND 58105-5144

Germans from Russia documentary premieres

The sixth documentary in Prairie Public's television series about the legacy of the Germans from Russia premiered Oct. 6. The documentary, titled "It's All Earth and Sky," is a co-production of Prairie Public Broadcasting and the NDSU Libraries' Germans from Russia Heritage Collection. Michael M. Miller, GRHC director and bibliographer, is an executive producer for the documentary.

In the documentary, five representative Germans from Russia share their insights on the process of becoming American.

A DVD of the program is available for \$30. To order the DVD, contact Acacia Stuckle, special collections associate, at 1-6596 or acacia.stuckle@ndsu.edu.

Major funding for the documentary was provided by Arthur E. and Cleora (Reuscher) Flegel, NDSU Libraries' Germans from Russia Heritage Collection and the members of Prairie Public.

ND EPSCoR New Faculty Start-Up call for proposals

NDSU department chairs, deans who are recruiting department chair positions and the director of the ND EPSCoR-designated State Research Initiative (SRI) are invited to submit proposals requesting start-up funds for tenure-track research faculty to be hired during FY2012.

Proposals are due in the ND EPSCoR office prior to noon on Dec. 14. Interviews with an external review committee will be held mid-January. Complete submission information can be found at www.ndepscor.nodak.edu/rfps/index.htm.

The major goal of the program is to staff research-intensive universities with new faculty who will be nationally competitive for grants from federal agency research programs in science, engineering and mathematics.

For questions, contact David R. Givers, co-project director, at 1-7516 or david.givers@ndsu.edu or Elizabeth Jung at 1-1048 or elizabeth.jung@ndsu.edu.

RESEARCH

Professors receive grant to partner with school in Pakistan



Krishnan

Sumathy Krishnan, associate professor in mechanical engineering, and Samee Khan, assistant professor in electrical and computer engineering, and two professors at the COMSATS Institute of Information Technology in Pakistan have been awarded a two-year grant of more than \$290,000 for their project, "A Hybrid Solar Water Heating System Using CO2 as Working Fluid." The main goal is to develop an ecologically safe hybrid system for water heating and space heating applications. The project is sponsored by the Pakistan-U.S. Science and Technology Cooperation Program, jointly administered by the National Academies and Higher Education Commission of Pakistan.



Khan

NDSU is close to finalizing an agreement with COMSATS to have their faculty members come to NDSU for doctoral study.

PEOPLE

Former band director dies



Eidem

Former NDSU band director Orville "Orv" Eidem died Oct. 14 in Moorhead, Minn. He was 79 years old.

Eidem directed NDSU bands from 1970-93. During his tenure, Eidem lobbied for the current location of the Music Education building and created the jazz program in addition to directing the Gold Star Concert Band and Gold Star Marching Band.

"Orv made a warm and wonderful impression on everyone he met," said John Miller, director of the NDSU Division of Fine Arts. "Whether they were enjoying his trombone playing, the music he was conducting, one of his thousands of jokes or his words of wisdom about the joys of life. We'll all miss him."

Eidem was a trombonist and longtime member of the Jazz Arts Group of Fargo-Moorhead. He often performed with various ensembles throughout the community and region. Eidem was an active teacher and adjudicator and a popular mentor to many music students.

Extension sugar beet specialist presents seminars and receives recognition in Italy



Khan

Mohamed F. R. Khan, Extension sugar beet specialist and associate professor at NDSU and the University of Minnesota, discussed management practices for *Cercospora* leaf spot of sugar beet at research sites in Italy in September. He was invited by the Institute of Research and Development in Agriculture. Khan presented “La barbabietola da zucchero, Geneticamente

Modificata, L'Esperienza Americana” to growers and industry personnel in Ferrara, Italy, and “Sugar beet: History, production and research in the USA” to faculty, staff and students in the Department of Agroenvironmental Sciences and Technology, Università di Bologna, in Bologna, Italy.

The National Association of Beet Growers and the Institute of Research and Development in Agriculture recognized Khan for his research contributions to controlling *Cercospora* leaf spot and improving the sugar beet crop in Italy.

Strand named National Academy of Kinesiology fellow



Strand

Brad Strand, professor of health, nutrition and exercise science, was inducted as a fellow in the National Academy of Kinesiology (formerly The American Academy of Kinesiology and Physical Education) at its annual meeting in Williamsburg, Va.

The academy encourages and promotes the study and educational applications of human movement and physical activity and honors individuals for significant contributions.

Academy membership is by nomination and member approval only. New members are nominated by current fellows and presented to the nominating committee for review. Strand becomes the 501st member in the 80-year existence of the academy and is the only person from North Dakota to receive such membership.

Music faculty activities



Johnson

Sigurd Johnson, associate professor of music, has been invited to be guest conductor during the Minnesota Region 63A High School Honor Band, Oct. 16, at the Minnesota State University Moorhead Hanson Auditorium. Johnson will work with bands throughout the day and conduct several pieces during the public performance, which will be held that evening.



Law

Bill Law, assistant director of the Division of Fine Arts, will present Jazz Poetry at the Fergus Falls (Minn.) Center for the Arts, Saturday, Oct. 30, at 7:30 p.m. He will perform on upright bass with David Ferreira on piano and Mark Vinz reading his poetry. Tickets are \$13 in advance, \$15 at the door and \$5 for students and children.

Bison Hall of Fame athlete, Coach Roger Grooters dies

Bison Athletic Hall of Famer Roger Grooters, a four-year letterman and head coach of North Dakota State University's national championship men's cross country team in 1972, was killed Wednesday, Oct. 6, while riding a bicycle in Bay County, Fla.

Grooters, age 66, was on a cross-country ride to raise money for victims of the gulf oil spill. He was three days from completing his 3,200-mile trip from Oceanside, Calif., to Jacksonville, Fla., that started Sept. 10.

Grooters was hit by a pickup truck on the shoulder of the road and thrown from his bicycle just before 9 a.m. local time. He was pronounced dead at the scene.

He is survived by his wife Vicki, seven children, and 11 grandchildren.

In lieu of flowers, donations may be made in honor of Roger's Ride Across America by making a donation to assist victims of the Gulf Coast Oil Spill online.

1. Visit Gulf Breeze United Methodist Church at, www.gbumc.org
2. Click one the red “Give Now” link
3. In the other category, fill out comment form with “Oil Spill Response”

EVENTS

Agriculture, Food Systems, and Natural Resources scholarship recognition luncheon scheduled

The 2010 College of Agriculture, Food Systems, and Natural Resources scholarship recognition luncheon is scheduled for Thursday, Nov. 4, at 11:30 a.m. in the Memorial Union Great Plains Ballroom. The annual event honors scholarship donors for their contributions and scholarship recipients for their achievements. Each year more than 360 scholarships are awarded by the college. Letters of invitation have been sent to all students receiving scholarships, scholarship donors and college faculty.

Scheduled to speak at the event are R. Craig Schnell, provost and vice president for academic affairs; Kenneth Grafton, dean of the college and director of the N.D. Agricultural Experiment Station; Ryan Stepan, senior in microbiology from Eagan, Minn., representing student recipients; and Stephen Valenti, Monsanto Co., representing scholarship donors.

Staff Senate presents 'Extreme Home Makeover Review' Oct. 28

The NDSU Staff Senate Development Committee will present "Extreme Home Makeover Review" on Thursday, Oct. 28, from 2 p.m. to 3 p.m. in the Memorial Union Century Theater as part of Staff Senate's Discover U mini-sessions. Carol Cwiak, assistant professor of emergency management, will discuss how 60 to 70 students in NDSU's Department of Emergency Management contributed to the success of the event by managing volunteers, trade, media and VIP check-in. She will share how students contributed their time, energy and skill sets while getting hands-on experience that will benefit them in their professional careers in the future.

For more information on upcoming Discover U mini-sessions, visit www.ndsu.edu/staff_senate.

Bison Halloween Party scheduled

The annual "Bison Halloween Party" is scheduled for Sunday, Oct. 24, from 4 p.m. to 6 p.m. in the Bison Sports Arena. The NDSU Student-Athlete Advisory Council is sponsoring it.

Designed as a family event, the party includes games, candy and prizes. Participants will have an opportunity to meet Bison players, coaches, trainers and athletic department administrators. All attendees are encouraged to wear Halloween costumes. The event is free and open to the public. The activities are directed to children ages two to nine.

Center for Protease Research plans open house

The Center for Protease Research has scheduled an open house for Thursday, Oct. 28, from 1:30 p.m. to 3:30 p.m. Both the Core Synthesis and Core Biology Laboratories will be open to show appreciation to existing clients and inform prospective users about the center's capabilities. Everyone is welcome to tour the labs, ask questions and enjoy refreshments.

Yonghua Yang, research scientist in the chemistry and biochemistry department, will be available in the Core Synthesis Facility, Dunbar 156. Jodie Haring, research assistant professor of chemistry and biochemistry, and Naomi Light, laboratory assistant in chemistry and biochemistry, will be available in the Core Biology Facility, in IACC 316.

The Center for Protease Research is in its eighth year of funding, provided by a COBRE grant from the National Institutes of Health. Mukund Sibi, distinguished professor of chemistry and biochemistry, is the program director. The laboratories are available for scientists for research, data analysis and consultations.

For more information, contact Rose Nichols, administrative coordinator, at 1-6114 or rose.nichols@ndsu.edu.

English and music departments present Cosgrove Seminar

The English department will present "Winter Words: An Hour with Benjamin Britten and Thomas Hardy" on Wednesday, Oct. 20, from 3:30 p.m. to 5 p.m. in the Memorial Union Gallery as part of the Cosgrove Seminar Series. Refreshments will be served. All of the campus community is welcome to attend.

In the 1950s, with England struggling to recover from World War II, Benjamin Britten created a set of art songs, "Winter Words," based on a selection of poems by Thomas Hardy. Five of these art songs have been the focus of a pedagogical experiment by students and faculty from the English and music departments in fusing the traditional senior music recital with the English capstone experience.

During the presentation, Bobby Frasier, a senior majoring in English, will recite and interpret poems and Evan Montgomery, a senior majoring in music, will sing and interpret music. Mentoring assistance will be provided by Robert Jones, professor of music, and Robert O'Connor, professor of English. Jones and O'Connor will discuss the place the experiment occupies in their cross-disciplinary teaching and scholarship.

For more information about the Cosgrove Seminar Series, contact Dale Sullivan, 1-7144 or dale.sullivan@ndsu.edu.

NDSU Visiting Artist Series welcomes Scott, Smith

NDSU Visual Arts is pleased to welcome ceramic artists Sean Scott and Amy Smith, Nov. 2 to 3. Scott and Smith will work with students, demonstrate their techniques and present a public lecture during their visit. A complete schedule can be found online at ndsu.edu/finearts/visual_arts/visiting_artist_series/scott_smith.html.

Scott has worked with clay for the past two decades and currently operates Pomme de Terre Pottery in West Central Minnesota. He shows and sells his work nationally and teaches workshops for all skill levels. Smith earned her Master of Fine Arts degree from the University of Nebraska-Lincoln. She works intuitively in porcelain, allowing forms to gently hold space.

PUBLICATIONS/PRESENTATIONS

Szmerekovsky's article accepted in Decision Support Systems journal



Szmerekovsky

Joseph Szmerekovsky, assistant professor of management, and co-authors, V. Tilson and J. Zhang, had their article, "Analytical Model of Adoption of Item Level RFID in a Two-Echelon Supply Chain with Shelf-Space and Price-Dependent Demand," accepted for publication in Decision Support Systems journal.

Kapplinger to give presentation at print conference

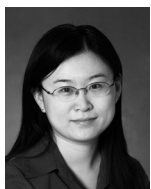


Kapplinger

Kent Kapplinger, associate professor of visual arts, will discuss the Printmaking Education and Research Studio (PEARS) "Publishing Projects" at the Mid-America Print Council 2010 conference on Oct. 12 in Minneapolis. His presentation will explain the projects, which are collaborative prints between invited visiting artists, PEARS master printers and NDSU visual arts students.

The PEARS program promotes printmaking production, education and innovation in the Midwest. The studio, sponsored by NDSU Division of Fine Arts and Department of Visual Arts, emphasizes new work, ideas and methods and facilitates interaction among a diverse audience. The studio strives to be an advocate for understanding the past and shaping the future of creative printmaking.

Wang awarded NSF grant



Wang

Yechun Wang, assistant professor of mechanical engineering, was awarded a National Science Foundation grant for her project titled "BRIGE: Computational Studies of Droplet Motion in Digital Microfluidics." The award for this two-year project is \$174,985.

Digital microfluidics, in which individual droplets are driven to move using chemical, thermal, acoustical or electrical approaches, has significant applications in biochemical and biomedical research activities due to its high-speed nature and simple structure. In this project, a fully three-dimensional Spectral Boundary Integral Algorithm for interfacial dynamics in a steady electric field will be developed. Fundamental investigations of the droplet motion in digital microfluidics will be carried out using this computational approach.

If successful, the proposed computational work could provide fundamental understanding of droplet dynamics, predict the operation of the device and optimize device design which may lead to a new generation of reliable, affordable and operationally convenient microfluidic devices. The proposed numerical algorithm also could be applied to drug delivery, fuel cells, water filtration technologies and a variety of other fields.

College of Human Development and Education faculty notes

The following College of Human Development and Education faculty members recently received awards, gave presentations and had research published:

American Academic of Kinesiology and Physical Education, Brad Strand, will be inducted as a Fellow at the annual meeting in Williamsburg, Va.

North Dakota Recreation and Parks Association Outstanding Young Professional Award, Joe Deutsch.

Math Science Partnership Grant, Angie Hodge was awarded a \$224,074 grant through the North Dakota Department of Public Instruction for a two-year project to develop and implement a North Dakota Mathematics Teacher Academy. Bill Martin and Dogan Comez are co-principal investigators.

Pediatric Exercise Science, Jared Tucker, co-wrote "Joint Association of Fatness and Physical Activity on Resting Blood Pressure in 5-9-Year-Old Children."

Infant Behavior Development, Rebecca Woods wrote "Infants' Tracking of Three-Dimensional Occluded Objects."

Diabetes Care, Arupendra Mozumdar and Gary Liguori wrote "Brief Report – Persistent Increase of Prevalence of Metabolic Syndrome Among US Adults: NHANES III to NHANES 1999-2006."

Michigan Family Review, Christi McGeorge and Tom Carlson wrote "Social Justice Mentoring: Preparing Family Therapists for Social Justice Advocacy Work." They also presented a workshop at the national conference for the American Association for Marriage and Family Therapy in Atlanta, and McGeorge was selected to be chair-elect of the Family Therapy section of the National Council of Family Relations.

Growing Child Care in North Dakota Aim4Excellence Scholarship, the Center for Child Development has been chosen to participate due to its designation as an NAEYC Accredited Child Care Center. Deb Habedank will earn her center director credential by completing an online course from the McCormick Institute of National Louis University with the Aim4Excellence Scholarship.

Distinguished Service Award, Julie Garden-Robinson received the honor from the National Extension Association of Family and Consumer Sciences. She also was the Central Region recipient of the "Program Excellence Through Research Award."

American Association for Marriage and Family Therapy Conference, Kristen Benson, moderated the LGBTQI Caucus open forum and presented a workshop with colleagues from Western Michigan University titled "Transgender Couples: Issues and Clinical Implications for Couple Therapists."

Journal of Applied Gerontology, Kris Bjelde and Greg Sanders had a manuscript, "Change and Continuity: Experiences of Midwestern Snowbirds," accepted for publication.

"Fit-Well: Questions and Answers," book published by Gary Liguori, and Sandra Carroll-Cobb, University of Alaska – Anchorage.

Animal science and NDSU's Center for Nutrition and Pregnancy presentations and publications

Recent presentations and publications by faculty in animal science and NDSU's Center for Nutrition and Pregnancy include the following:

National Farm Business Management Meeting, Fargo, "Impact of developmental programming in livestock production," Larry Reynolds.

University of Hawaii-Manoa animal sciences department seminar, "Nutrition, placental programming, and in vitro produced sheep embryos as models for understanding the basis of compromised pregnancies, lifelong health and productivity," Reynolds.

U.S. National Institutes of Health, Bethesda, Md., Reynolds was a member of the Pregnancy and Neonatology Study Section and chaired the Pregnancy and Reproduction Special Emphasis Panel.

Society for the Study of Reproduction, Milwaukee, Reynolds, Mary Lynn Johnson, Dale Redmer, Anna Grazul-Bilska, Pawel Borowicz attended in August. Johnson, Reynolds, Redmer and Grazul-Bilska presented "Gap junctional connexin expression in utero-placental tissues during early pregnancy in sheep." Grazul-Bilska, Johnson, Borowicz, Redmer and Reynolds presented "Global methylation in placental tissues during early pregnancy in sheep."

Biology of Reproduction, "Placental growth throughout the last two thirds of pregnancy in sheep: vascular development and angiogenic factor expression," by Borowicz, Johnson, Grazul-Bilska, Redmer and Reynolds, was one of the most highly cited papers that appeared in the 2007-08 issue.

Reproduction, "Placental development during early pregnancy in sheep: vascular growth and expression of angiogenic factors in maternal placenta," Grazul-Bilska, Borowicz, Johnson, Redmer and Reynolds.

Reproduction, "Markers of ovarian antral follicular development in sheep: Comparison of follicles destined to ovulate from the final or penultimate follicular wave of the estrous cycle," Grazul-Bilska in collaboration with researchers from the University of Saskatoon, Canada.

Reproductive Biology and Endocrinology, "Changes in cell proliferation, but not in vascularisation are characteristic for human endometrium in different reproductive failure," Grazul-Bilska in collaboration with researchers from the University of Heidelberg, Germany.

International Journal of Developmental Biology's special issue "Placental Development Biology," "Utero-placental vascular development and placental function: An update," Reynolds, Borowicz, Joel Caton, Kimberly Vonnahme, Grazul-Bilska, Redmer and David Buchanan.

Journal of Animal Science, "Developmental programming: The concept, large animal models, and the key role of utero-placental vascular development," Reynolds, Borowicz, Caton, Vonnahme, Carrie Hammer, Kasey Maddock Carlin, Grazul-Bilska and Redmer.

SHORTS & REMINDERS

Positions Available

Positions open and screening dates through the Office of Human Resources, SGC, 1919 N. University Drive. Position openings also are available through the NDSU website at www.ndsu.edu/jobs.

Telecommunications Analyst

Telecommunications
\$42,500+/year
Oct. 25

Research Specialist

Plant Science
\$35,000+/year
Open until filled

Senior Technical Services

Librarian/#00023136
Library
\$65,000+/year
Open until filled

Custodian (multiple positions; various hours)

Facilities Management
\$19,760+/year
Open until filled

Agricultural Technician-Williston, ND/#00023496

Williston Research Extension Center
\$28,000+/year
Open until filled

Policy Updates

The following policies recently have been added or revised. To view the complete policy, go to www.ndsu.nodak.edu/policy.

Policy 129: Salary Administration Policy

This policy clarification pertains to the word "broadbanded" being placed in front of the word "staff" in section 6.1. A housekeeping change also is made in section 6.2 adding "broad" in front of "banded."

Policy 213: Rest Periods

This policy adds language of the passing of PPACA (Healthcare reform) regarding nursing mothers. The language is taken directly from section 4207 of the bill.

Policy 305: Health Insurance for International Scholars

This policy update is being made to reflect the appropriate federal form number, correct department name and changing "five months" to "20 weeks."

Rerun for clarification:

Reminder about equal opportunity and non-discrimination policy

The following notice must be included in all departmental publications:

Non-discrimination Policy

North Dakota State University does not discriminate on the basis of age, color, disability, gender identity, marital status, national origin, public assistance status, sex, sexual orientation, status as a U.S. veteran, race or religion. Direct inquiries to the Vice President for Equity, Diversity, and Global Outreach, 205 Old Main, (701) 231-7708.

University Relations
North Dakota State University
NDSU Dept 6020, PO Box 6050
Fargo, ND 58108-6050

CALENDAR

20 **Sisterhood Circle** – “Culture Tradition and Community,” 1 p.m. to 2 p.m., Equity and Diversity Center. Sponsored by Multicultural Programs.

20 **National Day on Writing** – Graduate and Faculty Celebration, 9 a.m. to 4 p.m., Alumni Center Reimers room

20 **“Sexual Assault Prevention at NDSU – New Strategies and Bold Ideas”** – Sarah Dodd, assistant director of sexual assault prevention programming, noon to 1 p.m., Memorial Union Arikara room. Co-sponsored by Women and Gender Studies.

22 **“Incorporating Economic Bads in Production Processes,”** – Siew Lim, assistant professor of agribusiness and applied economics, 2:30 p.m., Richard H. Barry Hall room 600

22 **Animal Sciences Graduate Seminar** – 3 p.m. to 4 p.m., Hultz Hall room 104. Roza Yunusova, research specialist in animal sciences, will discuss the influence of maternal nutritional plane, estrogen replacement and intrauterine growth restriction on maternal, fetal and placental outcomes.

23 **Graduate Recital: Kohei Kameda,** saxophone – 5 p.m., Beckwith Recital Hall. Free and open to the public.

25 **“The Truth Behind Islamic Followers”** – Noon to 1 p.m., Memorial Union Room of Nations. Co-sponsored by Student Activities, Memorial Union.

25 **Plant Sciences Graduate Seminar** – Juan Calle-Bellido, “Cotton Domestication and Impacts in Human Civilization,” 3:30 p.m., Loftsgard Hall 114

25 **Architecture/Landscape Architecture Lecture Series** – Mary deLaitre, “City Building,” 4:15 p.m., fifth floor of Renaissance Hall

25 **Faculty Chamber Concert** – 7:30 p.m., Beckwith Recital Hall. Free and open to the public.

26 **Robert Wagner,** Gavilon and Con Agra, 4 p.m., Richard H. Barry Hall room 600

26 **“Poverty in America”** – Noon to 1 p.m., Memorial Union Room of Nations. Co-sponsored by Student Activities, Memorial Union.

27 **“Utilizing LinkedIn to Expand Your Professional Network”** – noon to 1 p.m., Memorial Union Arikara room. Sponsored by the NDSU Career Center.

27 **Global Outreach Faculty and Staff Coffee Hour** – 2 p.m., Memorial Union Lark room. Christopher Whitsel will talk about the Embassy Specialist program. Sponsored by Equity, Diversity and Global Outreach.

28 **Halloween Children’s Story Hour and Activity Event** – 3 p.m. at the NDSU Bookstore at Cityscapes

28 **NDSU Graduate School Information Fair** – 10 a.m. to 2 p.m., Memorial Union Prairie room

28 **“Child Soldiers”** – Noon, Memorial Union Room of Nations. Co-sponsored by Student Activities, Memorial Union.

28 **ECS Green Bag Lunch** – Geoffrey M. Henebry from South Dakota State University, “Land Surface Phenology, Synoptic Ecology, and the Challenge of Sorting Change from Variation in Observational Data,” 11 a.m., Memorial Union Hidatsa room.

MORE CAMPUS EVENTS www.ndsu.edu/eventcalendar

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SEND SUBMISSIONS TO THE EDITOR Linsey Davis | ndsu.itshappening@ndsu.edu
Library 16, NDSU Dept 6020, PO Box 6050, Fargo, ND 58108-6050 | Voice: 231-5853 | Fax: 231-5120

SEND MAILING ADDRESS ADDITIONS, DELETIONS OR CHANGES | char.goodyear@ndsu.edu

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