

NDSU

VOLUME 5 ISSUE 3

IT'S HAPPENING AT STATE

FEBRUARY 15 2013

Published by the Office of the Vice President for University Relations.

Spring enrollment increases slightly; graduate school reaches record

NDSU's official enrollment for spring 2013 is 13,576 undergraduate, graduate and professional students. That's a slight increase from the spring 2012 official enrollment of 13,413 students.

For spring semester, NDSU has 45 new freshmen and 291 new transfer students.

"The spring semester enrollment reflects a slight increase in undergraduate enrollment primarily based on improving retention and undergraduate transfer as well as a 5 percent increase in our graduate student population," said Prakash Mathew, vice president for student affairs.

The 5 percent increase brings graduate student enrollment to 2,281, an all-time record for spring or fall. The previous record was 2,213 graduate students.

"Graduate students are essential to NDSU's mission as a research university," said David Wittrock, dean of the College of Graduate and Interdisciplinary Studies. "I am pleased that our programs continue to attract highly qualified students from North Dakota and throughout the world."

Official enrollment figures are compiled following the fourth week of classes.

NDSU finalizes 2012 United Way campaign

NDSU has completed its 2012 United Way campus campaign, raising more than \$105,000 in pledges.

Coupled with fundraising special events, the total contributed by NDSU employees stood at \$109,654, an amount 1.57 percent more than the previous year. The effort finished slightly below the \$111,200 goal.

"I'd like to send my sincere thanks to the entire campus for the generous donations to United Way. Many people put in a lot of time and effort to make our campaign a success," said Char Goodyear, assistant to the vice president for university relations and United Way campaign coordinator, noting NDSU had a total of 396 donors and 83 people who gave at the "Leaders in Giving" level, which previously was known as the Key Club.

"The important funds raised at NDSU for our local United Way are used for so many worthwhile programs," Goodyear said. "Your gifts help us Live United."

Meantime, United Way of Cass-Clay surpassed its 2012 fundraising goal of \$5.1 million, officials said Feb. 1. According to Michelle Killoran, campaign chair and Scheels CFO, the capital campaign collected \$5,121,724.

This year, 68 percent of the money raised for United Way of Cass-Clay came from private donors, while 28 percent was from corporate donations and 4 percent was raised through special events.

The campaign funds will be invested locally in 43 nonprofit agencies and 75 local programs.

NDSU www.ndsu.edu/ihas

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.

Deadline set for Feb. 28 It's Happening at State

The next electronic issue of It's Happening at State will be posted Feb. 28 at www.ndsu.edu/ihas. Submissions for that issue are due at noon on Feb. 25.

Innovation Week '13 is Feb. 26-28

NDSU and the NDSU Research and Technology Park will host the fourth annual Innovation Week, Feb. 26-28. The week includes an innovation competition for students, educational sessions and networking opportunities.

Find the schedule of events at www.ndsuresearchpark.com/about/Pages/Events.aspx.

School of Music announces Gala Concerts

The NDSU School of Music announces two Inaugural Gala Concerts featuring the NDSU Concert Choir and NDSU Wind Symphony Tuesday, March 12, at 7:30 p.m. at the Ordway Center for the Performing Arts in St. Paul, Minn., and 2 p.m. Sunday, March 24, in NDSU's Festival Concert Hall in the Music Education Building. Admission to both concerts is free.

The concerts are being held in celebration of the program's recent recognition as the School of Music. The performances will feature the world premiere of Jocelyn Hagen's "Swimming Into Winter," a piece for choir and winds commissioned by the School of Music.

The North Dakota State Board of Higher Education officially changed the Department of Music to the School of Music in September 2012, signifying its far-reaching mission encompassing a broad-based curriculum that includes professional doctoral programs in performance and conducting.

Students take healthy heart message to state capitol

About 50 NDSU pharmacy and nursing students traveled to the North Dakota State Capitol Feb. 14 to learn about the legislative process, offer blood pressure screenings to legislators and talk with legislators about heart health and other public health topics.

They joined North Dakota pharmacists and pharmacist technicians for Pharmacy Legislative Day sponsored by the North Dakota Pharmacists Association.

"It is a great learning experience for our students, where they learn about the legislative process and how a bill is introduced and passed," said Charles Peterson, dean of the College of Pharmacy, Nursing, and Allied Sciences.

The experience served as an important part of students' pharmacy and nursing education, said Wanda Roden, director of Advanced Experiential Education Programs in the College of Pharmacy, Nursing, and Allied Sciences. "As future health care providers, students need to understand the legislative process and be able to communicate effectively with lawmakers on bills that affect patients and health care in the state," she said.

Students visited with legislators about public health topics, such as mail order medications, drug shortages and health issues in the North Dakota oil patch. Several students displayed public health posters they presented at a recent seminar for North Dakota pharmacists and health care providers.

Architecture models on exhibit at Main Library



Models of lifeguard towers built by architecture and landscape architecture students are on display in the Main Library through spring semester.

Even though it's cold and snowy outside, there's a blast of sunshine inside the NDSU Main Library. Undergraduate students from the Department of Architecture and Landscape Architecture are displaying models of lifeguard towers in the library through the spring semester.

Inspired by the creative and colorful lifeguard towers of Miami's South Beach, an assignment for the Environmental Control Systems course gave students a chance to demonstrate their knowledge of solar geometry. Each student was to design and build a unique "passive solar" design solution for a lifeguard tower set within a given latitude, city or beach in the United States.

The library is grateful to David Crutchfield, assistant professor of architecture and landscape architecture, as well as the third-year architecture students for this opportunity to display their work.

For more information, contact Megan Richardson at 1-8395 or megan.richardson@ndsu.edu.

Brochure aims to help balance work and personal life

The FORWARD project and the Office for Human Resources/Payroll recently developed a brochure outlining NDSU policies related to work-life satisfaction. The brochure, "Resources at NDSU for Work-Life Satisfaction," underscores the efforts at NDSU to create an environment that supports a balance between work and personal life.

The brochure is intended especially for new faculty and staff members but will also provide greater awareness of the policies and benefits for faculty or staff members who are not familiar with them. It also is a useful resource for department or unit heads and search committees when they are interviewing prospective new hires.

While the brochure is not intended specifically for the initial recruitment of applicants, it will be available for everyone on both the FORWARD and the Human Resources/Payroll web sites in a .PDF format.

Sample copies will be sent to deans, department or unit heads and other administrators who oversee major units. Additional copies also will be available both from the FORWARD Office and the Human Resources/Payroll Office.

Vice provost receives Blue Key educator award



Bilen-Green

The NDSU chapter of Blue Key National Honor Society honored Canan Bilen-Green, Dale Hogoboom professor of industrial and manufacturing engineering, with the 2012 NDSU Distinguished Educator Award. She received the recognition during a ceremony in December.

Blue Key annually honors an outstanding NDSU educator for their extra interest in students and their programs, education and field of expertise. Presented annually since 1969, the honor is one of the highest awards given by NDSU students.

"I am fortunate to be a college professor working with young people and many colleagues," Bilen-Green said. "When you receive an award from a group of students known for their commitment to community service, it is a very humbling experience."

Bilen-Green is interim chair of the Department of Industrial and Manufacturing Engineering, executive director of NDSU Advance FORWARD and vice provost of faculty advancement. She joined NDSU in 1998 after earning a doctorate in statistics from the University of Wyoming. Bilen-Green earned a bachelor's degree from Middle East Technical University and master's degrees from Bilkent University and the University of Wyoming.

One nomination letter said, "She wants to teach us not just the answers but how to find the answers and be successful problem solvers. She pushes her students to have class discussion and explore new ideas. ... She wants to make sure I get the most out of my college education in every way possible."

Since 2001, Bilen-Green has served as faculty adviser for the NDSU chapter of the Society of Women Engineers. In partnership with the YWCA, she initiated TechGYRLS at NDSU, a semester-long, after-school program for girls, grades four through seven. As a coordinator for Expanding Your Horizons, Bilen-Green also has worked with College of Engineering and Architecture faculty, students and alumni to develop and present workshops for students in grades seven through nine.

"We thank you for your dedication to helping students improve their educational experiences and for making NDSU a place of well-rounded education," said Kelly Artz, president of the NDSU Blue Key chapter.

Faculty member helps develop curriculum for New York school



Cwiak

Carol Cwiak, assistant professor of emergency management, is working with The Urban Assembly, a non-profit organization in New York, to develop curriculum for The Urban Assembly School for Emergency Management.

Cwiak, along with school leaders, design team members, Federal Emergency Management Agency representatives, Red Cross members and

community partners, has helped create a curriculum that will allow students to either move directly into the workforce after high school graduation or be better prepared for entry into college. The Urban Assembly School for Emergency Management is slated to open in fall 2013 and is the first high school of its kind in the United States.

Throughout the students' high school careers they will be engaged in emergency management specific coursework, ultimately selecting one of three tracks to focus more intently on for their junior and senior years. Students in the program will have an opportunity to use their education from their courses to contribute to community organizations' and businesses' preparedness, mitigation, response, recovery and continuity of operations efforts.

The Urban Assembly was founded in 1990 to address a range of poverty issues in the New York City area. The initial three schools established in the early '90s by The Urban Assembly were very successful. The Urban Assembly now has 21 campuses in New York City which focus on areas such as law, government, and justice; civic engagement; math and science for young women; media; criminal justice; design and construction; writers and artists; new technologies; wildlife conversation; and the performing arts.

According to Cwiak, "The Urban Assembly School for Emergency Management is an exciting venture. By allowing high school students access to this type of specialized educational experience we not only create informed citizens who are better able to manage their own risk, we also begin to engage those interested in emergency management at a much younger age. Also of note, this school, and hopefully other schools like it in the future, will help advance two overarching agendas of the emergency management professional community - increase diversity in the field and create greater connectivity and understanding between emergency management programs and the citizens, businesses and organizations they serve."

Memorial Union Gallery exhibit showcases printmaking

Regional and international artists are featured in a contemporary print exhibition being presented at the NDSU Memorial Union Gallery. "Infinite Prints: Ink, Press, Repeat" opened Feb. 5 and will continue through March 2. The exhibit showcases multiple printmaking techniques and pieces from the Memorial Union Gallery and Department of Visual Arts collections.

Printmaking has become popular among students and artists as it can portray social commentary, humor and activism. The purpose of the exhibit is to introduce a wide range of printmaking techniques and practices to educate students and the community, allowing the audience to view different forms of printmaking techniques including relief, intaglio, serigraphy and lithography.

Regional artist Kent Kapplinger, associate professor of visual arts at NDSU, is scheduled to present an artist's talk Feb. 28 at 4:30 p.m. He will discuss the processes and differences in printmaking techniques.

Highlighted artists include Pablo Picasso, Salvador Dali, Joan Miro, Glen Alps, Walter Piehl, Star Wallowing Bull, Eric Johnson, Janue Quick-To-See-Smith and Kapplinger. Items in the exhibit were provided by Student Art, Ralph Engel Memorial, Lakeside

Studio and the Memorial Union. Included also are collections from the Memorial Union Gallery and Art Bank and the Printmaking Education and Research Studio collections from the NDSU Department of Visual Arts.

Gallery hours are Tuesday through Saturday from 11 a.m. to 5 p.m. and Thursday from 11 a.m. to 8 p.m.

NDSU takes part in Summit League Food Fight Challenge

NDSU is taking part in a food fight for a good cause. As part of the Summit League Food Fight Challenge, participating schools will collect food or cash donations at designated basketball games during one week. At the end of the food fight schedule, the school that raises the most food, measured in pounds, will be the winner.

The food fight scheduled for NDSU began Feb. 11 and will continue to when the men host Indiana University-Purdue University Indianapolis on Saturday, Feb. 16, at 7 p.m. at the Bison Sports Arena.

"It is an opportunity for our students, athletes and members of the NDSU community to help those in need," said John Straka, president of NDSU's Student-Athlete Advisory Council. "Our local food banks tell us that demand is up and donations are down due to the economy, so every bit of food helps tremendously."

"Besides our commitment, we are pleased to announce that we are going to partner with the NDSU Greek organizations. Together our commitment will make a difference," Straka said.

NDSU fraternities and sororities are excited to participate in the effort. "The food fight collaboration is a great way for both NDSU Athletics and Greek Life to give back to a community that is so supportive of both of our organizations," said Shawn Senescall, InterFraternity Council president.

Summit League food bags were passed out at NDSU basketball games on Feb. 9 and Feb. 14. Participants should return filled bags on Feb. 16.

Drop boxes will be available at the Bison Sports Arena and the Memorial Union throughout the week of Feb. 11. Donations will be delivered to the Alba Bales House on NDSU's campus.

NDSU also is participating in the Summit League's Food Fight Video Challenge. Schools crated videos, which were posted on YouTube. The institution that produced the video with the most "likes" will receive a trophy and the equivalent of 2,002 pounds of food for their Food Fight total. Voting continues until midnight on Feb. 28. To view NDSU's video, go to www.youtube.com/watch?v=4jB9BvyT5mU&list=UUoGuItsbsrbchKf3vQqeEya&I.

Development Foundation leader to receive prestigious honor



Miller

James C. Miller, president and chief executive officer of the NDSU Development Foundation, is one of two people selected to receive the prestigious Commonfund Institutionally Related Foundation Award from the Council for Advancement and Support of Education (often known as CASE). Miller, along with Mike Goodwin, president and chief executive officer of the Oregon State University Foundation, will be

recognized during the 21st annual CASE Conference for Institutionally Related Foundations April 18 in Atlanta.

Institutionally related foundations are nonprofit organizations that cultivate and manage private assets to support the missions of colleges and universities with which they are affiliated. The award recognizes professionals who have made extraordinary contributions to the advancement, quality and effectiveness of their foundations and the sector.

"I am extremely honored to be selected for this high honor, along with my longtime friend Mike Goodwin. I've enjoyed a wonderful career path, especially the past 31 years at NDSU and the Development Foundation/Alumni Association," Miller said. "I owe a debt of gratitude to the countless volunteers who provided unselfish service to the organizations, the donors who have given so generously to our campaigns, and my staff and university associates who have provided encouragement and good counsel to me during my career."

Miller has 42 years of experience in institutional advancement. Early in his career, he held leadership positions at the Kearney State College Foundation in Nebraska and the Kansas State University Foundation.

During his 31-year tenure at the NDSU Development Foundation, Miller transformed a fledgling foundation into a model fundraising and alumni relations program. Miller presided over many major accomplishments, including an increase in the foundation's total assets from \$3 million to more than \$161 million, growth in its endowment portfolio from \$1 million to more than \$100 million and increasing giving from \$500,000 to more than \$15 million annually.

"What has taken place at NDSU, and what Mr. Miller has had a catalytic part of making happen, has been the transition of a regional doctoral institution into what both the National Science Foundation and the Carnegie Commission on Higher Education rank as one of the top-100 research universities in the nation," wrote NDSU President Dean L. Bresciani in a letter of nomination.

Miller is a longtime active member of CASE. He has served on the organization's board of trustees, the CASE Commission on Philanthropy, National Committee of Institutionally Related Foundations and other committees. He also received the CASE Crystal Apple Award for Teaching Excellence.

The awards are underwritten by Commonfund, which provides fund management services and investment advice to nonprofit organizations. CASE's membership includes more than 3,600 colleges and universities, primary and secondary independent and international schools, and nonprofit organizations in 76 countries around the world.

Head of visual arts selected for biennial exhibition



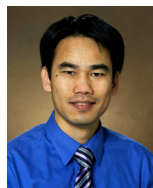
Strand

Michael Strand, head of the NDSU Department of Visual Arts, has been selected for the 2013 National Council on Education for the Ceramic Arts Biennial, one of the most prestigious exhibitions globally for contemporary ceramic practices.

Strand's work, "The Misfit Cup Liberation Project," was one of 39 selected for the exhibition from more than 1,300 submissions. The exhibition will be held at the Houston Center for Contemporary Craft in Houston. Strand will travel to Houston for the opening reception and present a lecture at the Glassell School of Art at the Museum of Fine Arts.

In early February, Strand visited Kansas State University to present a lecture, visit with graduate students and work with students on his ArtStimulus project, a cup drop in the town of Dwight, Kan. The students made ceramic cups to deliver to unsuspecting residents living in Dwight. The goal of the project is to challenge the conventional ways individuals acquire objects and has been written about internationally. While this is Strand's fourth duplication of ArtStimulus, it is the first time it has involved the work of other artists.

Research scientist joins science and technology center



Hoang

Khang Hoang has joined the NDSU Center for Computationally Assisted Science and Technology as a research scientist.

At the center, Hoang's research includes computational studies of materials for rechargeable alkali-ion battery electrodes and solid electrolytes, hydrogen storage, thermoelectrics and photovoltaics. Applications of such research include electrical energy storage for hybrid and electric vehicles, storing hydrogen for subsequent use in vehicles, directly converting waste heat into electricity, and direct solar-to-electric energy conversion.

Hoang's expertise includes condensed-matter theory and computational materials science, with major interests in theory and modeling of advanced materials for energy-related applications, using first-principles density-functional theory calculations and Monte Carlo and molecular dynamics simulations.

He received a doctorate in theoretical condensed-matter physics from Michigan State University. Hoang served as a postdoctoral scholar at the University of California-Santa Barbara in the materials department. He later was contracted as a postdoctoral research fellow in the Center for Computational Materials Science of the U.S. Naval Research Laboratory through George Mason University.

Hoang is a member of the American Physical Society and the Materials Research Society and the author or co-author of 23 peer-reviewed publications in high-impact journals including *Angewandte Chemie*, *Physical Review Letters* and *Chemistry of Materials*.

Seed quality lab manager named

Jeanna Mueller has been named seed quality lab manager for the North Dakota State Seed Department.

Mueller has more than six years of experience at the state seed department as a seed analyst.

She began her career in 2006 and has achieved certification through the Association of Official Seed Analysts as a certified seed analyst in germination and purity testing. She was promoted to senior seed analyst in 2010. More recently, Mueller earned recognition as a registered seed technologist through the Society of Commercial Seed Technologists.

"We expect Jeanna will provide excellent leadership in the seed quality lab," said Steve Sebesta, North Dakota State Seed Department deputy seed commissioner. "She has demonstrated the ability to work positively with people and communicate effectively with customers while maintaining the high-quality standards expected of an officially recognized seed lab."

The seed lab in Fargo is the state's designated official seed lab and conducts more than 20,000 tests annually on all crops grown in the region.

Mueller graduated from NDSU with a degree in crop and weed science.

Theatre Arts assistant professor partakes in Shakespeare intensive



Koenig

Hardy Koenig, NDSU assistant professor of theatre arts, recently returned from a monthlong intensive hosted by Shakespeare and Company in Lenox, Mass.

Koenig was with actors, directors, writers and teachers from all over the world working with the company's faculty to train their voices and bodies with a daily regimen of demanding classes and to delve deeply into their own imaginations, intellects and emotional beliefs. Participants study text analysis, voice, movement, Elizabethan dance, Alexander Technique, stage fight and exploration of the actor/audience relationship. Koenig incorporates this knowledge into the NDSU production of Shakespeare's "Love's Labour's Lost" for the 2013-14 theatre season.

"The training at Shakespeare and Company was intense to say the least," said Koenig. "The classes lasted all day and consisted of acting, voice, movement, clown, stage combat, dance and many other things like sound and movement, classes on Shakespeare's world, staging, sonnets and text work."

Founded in 1978, Shakespeare and Company performs Shakespeare's plays, generating opportunities for collaboration between actors, directors and designers in addition to providing classical training and performance methods. More information can be found online at www.shakespeare.org.

Visual arts professor addresses oil development in exhibition



Kapplinger

NDSU visual arts professor Kent Kapplinger's solo exhibition, "Beneath the Surface," was inspired by news articles which address oil development in western North Dakota and react to benefits and pitfalls from the region's recent increased activity.

In several of the pieces, Kapplinger returned to his sign-painting roots, creating unique large scale works that incorporate hand lettering, screen printing and wordplay based on corporate logos.

Kapplinger's exhibition was part of an Americas 2012: Paperworks "Best of Show" award and ran through Feb. 7 at the Northwest Art Center in Harnett Hall at Minot State University in Minot, N.D.

RESEARCH/PUBLICATIONS

Animal sciences faculty published in Journal of Animal Science



Dahlen

Two faculty members of the Department of Animal Sciences were published in the December 2012 issue of the Journal of Animal Science.

Carl Dahlen, Extension Service beef cattle specialist and assistant professor of animal sciences, co-wrote the article "Use of embryo transfer seven days after artificial insemination or transferring identical demi-embryos to increase twinning in beef cattle."



Reynolds

The writers' objectives were to determine pregnancy rate, fetal loss and number of calves born in beef cattle after a fixed-time transfer of an embryo seven days after a fixed-time artificial insemination of cows and after the transfer of two demi-embryos into a single heifer recipient. Other co-writers were from the University of Minnesota, Advanced Reproductive Associates LLC and the North Florida Research and Education Center at the University of Florida.

Larry Reynolds, University Distinguished Professor, co-wrote a letter to the editor of the Journal of Animal Science. Co-writers were from Washington State University, the American Society of Animal Science and University of Nebraska-Lincoln. In the letter, the writers urge the directors of the National Institutes of Health and USDA-National Institute of Food and Agriculture to continue the Dual Purpose with Dual Benefit: Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Species program.

Both items can be found at www.journalofanimalscience.org.

Professor pens chapter in pharmacotherapy textbook



Sylvester

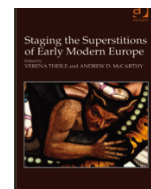
Robert Sylvester, professor of pharmacy practice, wrote the chapter "Anemia" in the recently released third edition of "Pharmacotherapy Principles and Practice." The textbook used a solid evidence-based approach to teach readers how to design, implement, monitor and evaluate medication therapy. Chapters are written or reviewed by pharmacists, nurse practitioners, physician assistants and physicians who are authorities in their fields.

More information about the textbook is available at <http://medicalbooks.biz/pharmacotherapy-principles-and-practice-third-edition-chisholm-burns-pharmacotherapy>.

Assistant professor of early modern literature publishes



Theile



Verena Theile, assistant professor of early modern literature, is co-editor of "Staging the Superstitions of Early Modern Europe," a collection of literary and historical essays on superstitions in performance and early modern drama. The book will be released by

Ashgate Publishing this month.

Theile co-wrote the introduction. Her own, single-authored essay, "Early Modern Engagements with Fear, Witchcraft, the Devil, and that Damned Dr. Faustus" is featured in "Part 1: Early Modern Superstitions: Religion, Reformation, and the History of Fear."

Communication professor edits book on editing



Collins



Ross Collins, professor of communication, recently edited the book, "Editing Across Media: Content and Process for Print and Online Publication."

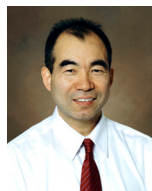
The book contains chapters written by authors from across the country with a combined two centuries of teaching and professional editing experience. A former NDSU Spectrum editor co-wrote one of the chapters on social media and editing.

Collins wanted the finished book to cover the kinds of editing students would be doing in a variety of publications such as newspapers, public relations, advertising, magazines or social media.

"I thought we needed a textbook that covers this wide spectrum for beginning editors. I also wanted to add a little fun stuff because editing texts have a reputation for being dull. Perhaps deservedly so, I think," Collins said.

It is Collins' fifth written or edited book.

NDSU researcher publishes paper on pancreatic cancer



Wu

Erxi Wu, assistant professor of pharmaceutical sciences, co-wrote the article, "Neurotransmitter substance P mediates pancreatic cancer perineural invasion via NK-1R in cancer cells," which was published by *Molecular Cancer Research*, an American Association for Cancer Research journal.

According to the authors, pancreatic cancer significantly affects the quality of life due to the severe abdominal pain. However, the underlying mechanism is not clear. This study aimed to determine the relationship between substance P and pancreatic cancer perineural invasion, as well as mechanism of substance P mediating pancreatic cancer perineural invasion which cause pain in patients with pancreatic cancer.

The authors showed that substance P is not only widely distributed in the neurite outgrowth from newborn rat dorsal root ganglions but also expressed in pancreatic cells. NK-1R is found to be overexpressed in the pancreatic cancer cell lines tested. Substance P induces cancer cell proliferation and invasion and the expression of MMP-2 in pancreatic cancer cells; and NK-1R antagonists inhibit these effects. Furthermore, substance P is also able to promote neurite outgrowth and the migration of pancreatic cancer cell cluster to the dorsal root ganglions, which is blocked by NK-1R antagonists in the co-culture model.

"Our results suggest that substance P plays an important role in the development of pancreatic cancer metastasis and perineural invasion, and blocking the substance P /NK-1R signaling system is a novel strategy for the treatment of pancreatic cancer," Wu said, noting the paper was co-written with Qingyong Ma lab at Xi'an Jiaotong University, China. "Collaborating with Dr. Ma, we together would like to find better cancer therapeutics and elucidate the mechanisms of the targeted therapy for pancreatic cancer," Wu said.

Wu's research interests include tumor therapeutic targets, drug discovery and biomarkers. For more information about Wu's lab, visit www.ndsu.edu/pharmsci/faculty_staff/erxi_wu.

Marketing assistant professor publishes paper



Krush

Michael Krush, assistant professor of marketing, co-wrote the paper, "Enhancing market-sensing capabilities: An examination of the interactive effects of sales capabilities and marketing dashboards," which will be published in *Industrial Marketing Management*.

Industrial Marketing Management provides theoretical, empirical and case-based research geared to the needs of marketing scholars and practitioners researching and working in industrial and business-to-business markets.

Assistant professor publishes paper on pedagogical approaches



Sassi

Kelly Sassi had her research paper, "A Review of the Literature on Pedagogical Approaches to Native American/American Indian Literatures," published in *Applied Social Sciences: Education Sciences* by Cambridge Scholars Publishing. Sassi is an assistant professor with a joint appointment in English and education.

Sassi's research addresses the achievement gap between Native American students and majority white students in the United States and teaching strategies to diminish the gap.

Pharmaceutical sciences graduate student receives awards

Sathish K.R. Padi, a graduate student in the Department of Pharmaceutical Sciences, received a Graduate Student Travel Award to the American Society for Pharmacology and Experimental Therapeutics annual meeting at the Experimental Biology 2013 Conference in Boston.

Padi also received a Young Investigator Award from the Society for Experimental Biology and Medicine to present research at the same conference. He will discuss his research on the epigenetic mechanisms of vitamin D in colon cancer. Padi is from India and has been a graduate student at NDSU since 2008. He works with Bin Guo, associate professor of pharmaceutical sciences. The awards will be presented during the conference April 20-24 in Boston.

EVENTS

Fundraiser events set to support basketball player Hannah Linz

Several campus fundraising events are scheduled to assist Hannah Linz, a senior women's basketball player who is in treatment for cancer.

The "Hoops for Hannah" project will hold free will donations at each home Bison athletic event until March 2. This includes basketball, wrestling and track and field.

The "Battle of the Cents-es" is scheduled for Feb. 11-15. The ambassador organizations in the College of Pharmacy, Nursing, and Allied Sciences and College of Engineering and Architecture will raise money in Sudro Hall, Memorial Union, Renaissance Hall and the Engineering Complex. College ambassadors will be giving out 1,000 buttons to persons who donate to the competition. The buttons feature a basketball and Linz's number 22.

Raffles are scheduled for the Feb. 23 women's basketball game and Feb. 26 men's basketball game. Tickets are \$5, and prizes include such items as autographed footballs, volleyballs and sweatshirts.

On March 4, a free will donation will be held at a spaghetti feed

and silent auction sponsored by Blue Key and the Student Athlete Advisory Council. The event is scheduled for 5-8 p.m. at NDSU's McGovern Alumni Center.

For more information on NDSU student-athletes' efforts to assist Linz, visit www.facebook.com/BisonNationHelpingHannah.

Black History Month events continue at NDSU

NDSU is celebrating African and African-American culture this month. Movies, music and a student's personal journey are among events scheduled to commemorate Black History Month throughout February.

"Black History Month is a great opportunity for us here at NDSU to celebrate and learn more about African-American heritage," said Evie Myers, vice president for equity, diversity and global outreach. "I am very pleased we have such a wealth of resources on campus and in the Fargo-Moorhead community to bring together for this program."

The remaining events, which are free and open to the public, include:

Tuesday, Feb. 19

The movie "The Price of the Ticket" will be shown from 11:30 a.m. to 1:30 p.m. in the Memorial Union Prairie room. James Baldwin was a 20th century American author and civil rights activist who called for Americans, black and white, to confront their shared racial tragedy. The film captures the passionate intellect and courageous writing of a man who was born black, impoverished, gay and gifted. Following the film, Cali Anicha, doctoral candidate of institutional analysis, will lead a discussion.

Wednesday, Feb. 20

Nyamal Dei, a senior majoring in health education, was born in the South Sudan. The daughter of a revered soldier, she, like many children, witnessed firsthand the brutality of war and has dedicated her life to empowering South Sudanese girls in the United States. Dei will share her story and the plight of South Sudanese women both here and in the South Sudan, and how a branch of the Miss Malika Foundation serves as a vehicle for education and advancement of women.

Dei's presentation, "A Personal Journey from Powerlessness to Advocate of South Sudanese Girls" is scheduled for noon to 1 p.m. in the Memorial Union Arikara room.

Friday, Feb. 22

The English Club and Sigma Tau Delta have scheduled an open poetry reading of works by African-American poets. As part of the open reading, students are encouraged to bring and read aloud a poem by an African-American poet. "Open Mic Poetry Reading: African-American Poets" is scheduled for noon to 1 p.m. in the Main Library Weber Reading room.

African drumming ensemble The Atmosphere is scheduled to perform from 1:30 p.m. to 2:30 p.m. in the Memorial Union Thundar's Den. The ensemble was formed in 2012 and includes individuals from countries such as Democratic Republic of Congo, Liberia, Nigeria, Republic of Senegal and Republic of Burundi. The combination of cultures blends African and contemporary styles of music. The ensemble includes NDSU students Samuel Ogunyemi, Evete Nimpagariste, Oluchi Okakpu, Irene Forfor and Oyiza Obami.

Thursday, Feb. 28

"Black Jew Dialogues" is a two-actor play that combines fast-paced sketches, improvisations, multimedia, puppets and a game show to examine the history and absurdity or prejudice and racism and the power of diversity. The play, sponsored by Campus Attractions, is scheduled for 8 p.m. to 9:30 p.m. in the Memorial Union Plains room.

Saturday, March 2

Pan Africa Night is scheduled from 7 p.m. to 11:30 p.m. in the Memorial Union Great Plains Ballroom. The event is a celebration of the cultures, talents and heritages of people of African and African-American descent followed by an after-party featuring DJ Nola.

To learn more about Black History Month at NDSU, visit www.ndsu.edu/multicultural.

'9 to 5: The Musical' opens next weekend

Theatre NDSU presents "9 to 5: The Musical" from Feb. 21-24 at Festival Concert Hall. Show times are 7:30 p.m. Thursday through Saturday and 2 p.m. on Sunday.

This musical version of the popular movie is a hilarious story of friendship and revenge in the Rolodex era. Three unlikely friends conspire to take control of their company and discover there is nothing they can't do – even in a man's world. Outrageous, thought-provoking, and even a little romantic, "9 to 5: The Musical" is about teaming up and taking care of business, and about getting credit and getting even.

All ages are welcome to attend. Tickets are \$8 for students, \$6 for NDSU students, \$13 for seniors and \$18 regular price. Tickets are available at the Box Office in Music Education 115 or online at ndsu.edu/finearts.

Assistant professor to discuss state-level cellphone bans



Lim

Siew Lim, assistant professor in agribusiness and applied economics, will present a seminar titled "Cellphone Bans and Fatal Motor Vehicle Crash Rates in the United States" 3 p.m. Friday, Feb. 22 in Richard H. Barry Hall 600.

Everyone is welcome to attend the presentation, where Lim will talk about state-level handheld cellphone bans for all drivers, regardless of age.

Using state-level panel data, Lim and her co-author examined the effect of cellphone laws on fatal crashes in the United States. Their results show that there is insufficient statistical power to detect a reduction in overall fatal crash rates scaled by vehicle miles and population estimates. Cellphone bans, however, have significantly reduced the fatal crash rates of drivers in between 18 and 34 years of age. Their paper will appear in the next issue of the Journal of Public Health Policy.

Women's Week events announced

In 1972, landmark legislation Title IX prohibited sex discrimination in schools and forever changed the way women are treated in education. For example, pregnant students were no longer expelled and women gained: admission to colleges and universities that previously denied them, tenure-track positions at universities and more athletic opportunities.

This year's Women's Week at NDSU, titled "Moving Mountains," will pay special tribute to the 40th Anniversary of Title IX. From Monday, Feb. 25, to Friday, March 1, several events and presentations are scheduled to celebrate and recognize women's ongoing journey toward equality.

"Women's Week is a good opportunity to remember the contributions from women in history and to recognize women making history now, whether on campus or nationally or globally," said Regina Ranney, diversity program coordinator.

The purpose of Women's Week is similar to that of other cultural heritage months, she said. It began at NDSU in 1982 and is held annually to shine a light on women's accomplishments and perspectives that have not always been represented in history.

She said one goal of this year's theme is for attendees to realize how much progress has been made within recent years. "So much of this happened in my lifetime. Some people may leave presentations thinking, 'I'm thankful I didn't have to struggle the same way my mom or grandma had to.' Hopefully some events will help people not take things for granted like a nondiscrimination statement or having protection against sexual harassment."

Everyone is invited to take part in Women's Week activities. "While 'Women' is in the title, men are encouraged to attend; the topics are important and relevant for everyone," Ranney said.

Some of the highlighted events include a leadership networking reception for women on campus; a presentation by Amy Ruley, associate athletic director for development and Lynn Dorn, women's athletic director, discussing the past 40 years in women's athletics; and a FORWARD After 5 presentation where presenters will talk about the NDSU climate for women after five years of the FORWARD grant.

Shannon Galpin, founder of the nonprofit, Mountain2Mountain, will present "The Perceptions of Victimhood and the Power of Voice," on Thursday, Feb. 28, at 6:30 p.m. in Beckwith Recital Hall.

Since 2006, Galpin has worked on behalf of women and children in conflict zones. After four years in Afghanistan, she challenged gender barriers and developed long-term strategies focused on connecting communities and sparking conversation. She brought these lessons home to the U.S. to empower survivors of gender violence with her newest program, Strength in Numbers.

Galpin, who grew up in Bismarck, N.D., is the first woman to mount a mountain bike in Afghanistan. She was named a 2013 National Geographic Adventurer of the Year.

All events are free and open to the public. For a complete schedule of Women's Week events, visit www.ndsu.edu/fileadmin/wgs/Women_s_Week_2013_Poster.pdf. For more information, contact Ranney at regina.ranney@ndsu.edu.

Leadership Lecture Series to discuss stereotyping



Oakgrove

The next event in the Leadership Lecture Series will tackle stereotyping. Frank Oakgrove, program coordinator for the Office of Multicultural Programs, is scheduled to present "Impact vs. Intent: The Problem with Stereotyping" Wednesday, Feb. 27, from noon to 1 p.m. in the Memorial Union Mandan room.

The interactive lecture will show clips from media via YouTube to highlight assumptions and beliefs that have been heard about cultural or ethnic groups. Attendees will learn to "check" their stereotypes and to address stereotypes within the community.

The Leadership Lecture Series are one-hour life skills presentations intended to provide real-world skills that student leaders can immediately use in their lives. More information on the series is available at www.ndsu.edu/mu/programs/leadership_programs/leadership_lecture_series.

High-tunnel gardener workshop set for March 7

The NDSU Extension Service in Cass and Richland counties and University of Minnesota Extension in Clay County are sponsoring a high-tunnel workshop for home gardeners and commercial growers on March 7.

Registration begins at 8:30 a.m. at St. Leo's Catholic Church Spirit of Life Center at 211 Langer Ave. N. in Casselton, N.D.

A high tunnel is a nonpermanent structure with no electrical service or heating. A single layer of greenhouse plastic covers the frame and lasts two to three years. Vents are opened and the sides rolled up manually. The plants in the tunnel are protected from frost by mulch or row covers.

High tunnels are becoming popular because they allow home gardeners and commercial growers to produce an early crop and extend the end of the growing season. Also, fruits and vegetables grown in high tunnels often are of high quality.

Topics to be discussed during the workshop include, wind generators, basics of high-tunnel production, marketing fresh produce through community-supported agriculture, irrigation and fertigation, current and upcoming crops for high tunnels, pushing the profit pencil with high tunnels, high-tunnel questions and answers, and climate change and regional implications.

The registration fee is \$25 if paid by March 1. After March 1, the fee is \$35. The fee includes a lunch.

For more information or to register, contact Todd Weinman at 701-241-5707, Jason Golz at 701-642-7793 or Randy Nelson at 218-299-7338. An online registration form that can be mailed is available at www.ag.ndsu.edu/casscountyextension.

Bayesian data analysis colloquium scheduled

The Center for Visual and Cognitive Neuroscience and the NDSU Department of Psychology will hold a two-day workshop on Bayesian data analysis, presented by John K. Kruschke, professor of psychological and brain sciences and adjunct professor of statistics at Indiana University. The workshop is set for Thursday and Friday, March 21-22 from 9 a.m. to 4:30 p.m. in Reimer's Room at the McGovern Alumni Center.

The two-day event begins with "Bayesian Estimation Supersedes the T Test," an introductory talk about the benefits of Bayesian data analysis and how it compares to 20th century null-hypothesis significance testing. Kruschke also will discuss how Bayesian analysis software functions. The talk is scheduled for Thursday, March 21, from 9 a.m. to 10:30 a.m. in the Memorial Union Century Theater.

Following the colloquium, Kruschke will hold a hands-on workshop on how to do Bayesian data analysis with R and JAGS free software. This workshop is considered ideal for researchers who want a ground-floor introduction to Bayesian data analysis. No specific mathematical or statistical expertise is presumed.

Kruschke is a seven-time winner of Teaching Excellence Recognition Awards from Indiana University. His research interests include the science of moral judgment, applications of Bayesian methods to teaching and learning, and models of attention in learning, which he has developed in both connectionist and Bayesian formalisms. He has written an introductory textbook on Bayesian data analysis.

The workshop is free of charge. Space is limited to the first 75 people who register.

For more information or to register, visit www.indiana.edu/~jkkteach/WorkshopNDSU2013.html or contact Mark Nawrot at mark.nawrot@ndsu.edu.

The workshop and colloquium are made possible by the support of the Center for Visual and Cognitive Neuroscience, Department of Psychology, College of Science and Mathematics, NDSU Graduate School, Distance and Continuing Education, Human Development and Family Science and the Office of the Provost.

Music professor receives Faculty Lectureship



Miller

Jo Ann Miller, University Distinguished Professor of Music, has been selected to present the 54th Faculty Lectureship. Miller is scheduled to present her lecture, "The Conductor's Art," on Tuesday, April 9, at 7:30 p.m. in Beckwith Recital Hall, Music Education Building.

Considered one of the most prestigious of NDSU's awards, the lectureship recognizes sustained professional excellence in teaching, scholarly and creative achievement, and service.

In her lecture, Miller will discuss how a conductor works to illuminate and bring to life the meaning and beauty of a piece of music.

The process has many layers and a conductor must communicate understanding and passion for the music to the choir and ultimately to the audience. Miller describes the artistry of a conductor as the ultimate collaborative experience.

Miller has achieved a national reputation for her peer-reviewed performances. She has performed at the Robert Shaw Festival Chorus at Carnegie Hall.

Miller has led the NDSU Concert Choir in invited performances in Italy and Croatia, Notre Dame Cathedral in Paris and St. Mark's Basilica in Venice. Most recently, the Concert Choir was invited to perform at the 2012 North Central American Choral Directors Association conference in Madison, Wis. In addition, Miller has conducted the Concert Choir at the National American Choral Directors Association Conference, six North Central American Choral Directors Conferences and in several joint concerts with the FM Chamber Chorale and Fargo-Moorhead Symphony. Under her direction, the NDSU Concert Choir has released more than 25 CDs.

The NDSU Concert Choir will assist Miller in her lecture demonstration.

The lecture is free and open to the public. A reception will follow in the atrium outside of Beckwith Recital Hall.

Northern Crops Institute announces 2013 short courses

The Northern Crops Institute on the NDSU campus announced a series of short courses. The institute supports regional agriculture and value-added processing by conducting educational and technical programs that expand and maintain domestic and international markets for northern-grown crops. The short courses include:

Pasta Production and Technology, April 16-18

The course provides fundamental and applied aspects of manufacturing extruded and sheeted pasta products. Raw material quality criteria, specifications, and processing variables and their impact on final pasta product quality are presented in detail. Lectures are supplemented with pilot-scale processing of traditional extruded pasta products. Quality tests employed in the evaluation of raw materials and finished products also are demonstrated. Participants will conduct hands-on pilot-scale pasta processing. Registration is \$900 with an April 1 deadline.

Advanced Grain Procurement Strategies, May 6-10

The course is designed to address risk management tools and marketing strategies that assist buyers in competing in the international grain business. Participants will learn advanced techniques in commodity merchandising through lectures by authorities on futures market theory led by William Wilson, NDSU University Distinguished Professor of agribusiness and applied economics and an expert in commodity futures trading, and interaction with U.S. grain merchandisers who have years of practical experience in the international grain business. Registration is \$1,100 with an April 22 deadline.

Durum Wheat Milling, May 21-24

The course will familiarize participants with durum wheat and provide a technical overview of durum milling. Differences between bread wheat and durum wheat milling and similarities between farina and semolina production are emphasized. Subject

matter meets the needs of newcomers to the durum industry as well as those with years of other types of milling experience. The intent is to increase the miller's insight into milling performance and semolina quality. The course is co-sponsored by Northern Crops Institute and the International Grains Program. Registration is \$850 with a May 6 deadline.

Rheology of Wheat and Flour Quality, June 11-13

The course will focus on wheat quality and how to analyze, interpret and apply rheological results effectively. It covers all aspects of wheat quality from kernel quality, milling, rheology analysis and baking evaluation. Participants will gain extensive hands-on experience on each rheological instrument. The course is recommended for quality control/assurance and research and development personnel. Registration is \$750 with a May 28 deadline.

Grain Procurement Management for Importers, Sept. 16-25

This eight-day course focuses on the mechanics of grain merchandising and is designed to educate individuals who are responsible for purchasing grain. Academic and commodity trade authorities will lecture on cash and futures markets. Grain merchandisers will guide attendees through the full complexity of the international grain markets. Seminars will be presented by grain merchandisers at the Minneapolis Grain Exchange. Participants will receive a CD containing an outline of each presentation and other printed materials for future reference. The class also has on-site visits to a country elevator, an export grain terminal and a barge facility. Registration is \$1,400 with an Aug. 26 deadline.

For more information and to register, visit www.northern-crops.com/education/education.htm.

ANNOUNCEMENTS

Diversity Impact Award nominations sought

The Division of Equity, Diversity and Global Outreach is seeking nominations for the 2012-13 Diversity Impact Award.

The award recognizes individuals, groups and units, on campus and in the community, that have significantly contributed to advancing diversity through positive interactions and demonstrated a respect and value for differing backgrounds and points of view at NDSU and outside of NDSU.

Nominations for the award will be accepted until Friday, March 8. The recipient of the award will be announced at the Green and Golden Globe Awards Ceremony on April 15.

Award nomination instructions and forms are available at www.ndsu.edu/diversity. Click on the Diversity Impact Award link.

To request a paper nomination form, email kara.gravley-stack@ndsu.edu or lisa.hauck@ndsu.edu. Submit nomination forms to the Impact Awards Committee at NDSU Equity, Diversity, and Global Outreach in Old Main 205.

Development Foundation accepting grant applications

The NDSU Development Foundation Grants and Awards Committee is accepting applications for grants from four funds for the 2013 academic year. The application deadline is March 15.

The Centennial Endowment Fund can provide maximum awards of \$5,000, with a total of \$20,000 available. It supports professorships, scholarships, biotechnology, faculty development, libraries and cultural arts.

The NDSU Development Foundation Board of Trustee Endowment can provide maximum awards of \$1,000, with a total of \$4,500 available. It supports general programs across campus.

The NDSU Development Foundation Libraries Endowment has \$3,000 available. It supports requests from any academic unit on campus for materials that will enhance the collections and/or operations of university libraries.

The NDSU Development Foundation Gordon A. Larson Agricultural Research Fund has \$12,500 available for awards. This fund has no maximum award amount and supports competitive grants for agricultural research efforts conducted at NDSU.

Faculty and staff can obtain copies of application forms for the awards at www.ndsufoundation.com/grants.htm. The foundation will notify applicants of funding decisions prior to April 30.

Staff Senate announces scholarship applications

The NDSU Staff Senate is offering scholarships for eligible NDSU broadbanded staff, dependents of broadbanded staff and undergraduate students who have not earned a bachelor's degree. Applications for the scholarships, which are for the 2013-14 academic year, will be accepted beginning Feb. 15. The application deadline is Friday, April 5, by 5 p.m.

The Staff Senate Scholarship Endowment funds awards up to \$100 scholarships to broadbanded staff and up to \$500 to their dependents. Staff Senate General Scholarships of up to \$500 also are available to all NDSU students.

Applications will be available on the Staff Senate website at www.ndsu.edu/staff_senate, beginning Feb. 15. Applicants also may pick up a paper copy after Feb. 18 in the Student Financial Services office.

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.

HPC Systems Administrator

(two positions)

Center for Computationally Assisted Science and Technology

Commensurate with experience

Open until filled

Hall Director

Residence Life

\$31,500+/year

Open until filled

Director, Division of Student

Affairs Assessment

Student Wellness

\$70,000+/year

Feb. 27

Research Specialist

Agricultural Experiment Station School of Natural Resources Sciences

\$35,000+/year

Open until filled

Nutritional Research Specialist - Animal Science

Agricultural Experiment Station

Animal Science

\$20,000+/year

April 1

Assistant Pulse Crop Breeder

Agricultural Experiment Station

North Central Research Center

Commensurate with qualifications and

experience

Feb. 22

Research Specialist - Plant Science

Agricultural Experiment Station

Plant Science

\$35,000+/year

March 1

Libraries Event and Promotional Coordinator

Library

\$26,500+/year

Feb. 19

Systems Mechanic

Facilities Management

\$40,000+/year

Open until filled

Lead Caterer

Dining Services

\$10.50+/hour

Open until filled

Cook

Dining Services

\$12.50+/hour

Open until filled

Irrigation Technician

Facilities Management

\$26,000+/year

Open until filled

Custodian

Facilities Management

\$20,384+/year

Feb. 15

PM Lead Cook (11:30 a.m. to 8 p.m.)

Dining Services

\$13.50+/hour

Feb. 20

MORE CAMPUS EVENTS www.ndsu.edu/eventcalendar

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