

NDSU

VOLUME 4 ISSUE 4

IT'S HAPPENING AT STATE

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Commodity trading room in Barry Hall nears completion

A new space for students to learn about commodity marketing, logistics, trading and risk management is nearing completion in Richard H. Barry Hall. The commodity trading room is scheduled to be available for classes starting next fall. Equipment installation is planned for June.

William Wilson, University Distinguished Professor, said in a media release, the room was developed in response to the growth in commodities trading and the importance of commodity trading to North Dakota, which includes trading in agricultural, energy and transportation products. "The output will be more and better trained students who will work in the different segments of these industries," he said.

Wilson said the trading room should be viewed as a laboratory for analyzing markets and financial instruments, no different than a laboratory for biology or chemistry. Students will have the ability to analyze portfolios, trading strategies and risks. "All of these are important in North Dakota and the region," Wilson said. "Most competing business schools have financial and trading rooms. Developing a trading room in Barry Hall will provide similar training and research opportunities for NDSU students and faculty. For the agribusiness industry, NDSU will be the first school having such capabilities that focus on agriculture and the biofuels sector."

The room is modeled after a similar project at Tulane University, New Orleans. Technically, it will have 32 work stations. Sixteen of the work stations will have access to live commodity and financial market information for agriculture, commodities and financials. The number of live stations will be expanded in the future.

The trading room will be used for teaching courses in agribusiness and the College of Business. Opportunities also will be explored through the Tri-College University system. There are plans to develop numerous outreach programs for individual firms, commodity organizations, Northern Crops Institute, biofuels sector and fee-based advanced programs.



Rendering of the new commodity trading room in Richard H. Barry Hall.

Funding for the commodity trading room has been provided by the North Dakota Agricultural Experiment Station, vice president for academic affairs and NDSU Technology Fee Advisory Committee. The funds are seed money for computers and other hardware.

Wilson said the project has been encouraged by major agribusiness firms that have provided varying forms of financial support, including ADM, CHS, Gavelon, The Rice Trader and George M. Schuler III of Minn-Kota Ag Products Inc. A number of state commodity organizations also have provided funding, including the North Dakota Corn Council, North Dakota Soybean Council, North Dakota Wheat Commission and Northern Crops Institute. He said other agribusiness firms and entities have expressed interest in a sponsorship.

The NDSU Development Foundation is working toward establishing an endowment for the permanent support of the commodity trading room.

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 March 30 It's Happening at State

The next electronic issue of It's Happening at State will be posted March 30 at www.ndsu.edu/ihas. Submissions for that issue are due at noon March 27.

Ice Cream Social planned as staff appreciation event

Staff Senate has scheduled their annual staff appreciation Ice Cream Social for Thursday, March 15, from 3 p.m. to 4 p.m. in the Memorial Union Prairie Rose room.

International Week planned

NDSU's International Week, an annual weeklong series of events designed to explore and celebrate diversity from around the world, is scheduled for March 26-30. For more information, visit www.ndsu.edu/international.

NDSU offers new study abroad program to Transylvania

When people hear Transylvania, they often think of vampires and Count Dracula.

Florin Salajan, assistant professor in the School of Education at NDSU and a native of Transylvania, wants to help students transcend those ideas by leading a new two-week study abroad program to his homeland this summer. The program, branded "Transylvania Beyond Dracula," and officially titled "Romanian Society, History, Culture and Education: An Exploration of Life in Modern-Day Transylvania," is scheduled for May 26 to June 10.

The prestigious Universitatea Babeş-Bolyai, the largest Romanian university, will host NDSU students in the study abroad program. The university is located in Cluj-Napoca, a city in the heart of Transylvania.

During their time in Transylvania, students will attend a series of lectures related to Romanian history, culture, society and education delivered by Universitatea Babeş-Bolyai faculty members. They also will visit local museums, cultural institutions, including Bran castle, which is also known as Dracula's castle, educational establishments and other cities in Transylvania.

The program is a good fit for students in arts, humanities, modern languages, social sciences, education and international studies, but is open to NDSU students in all disciplines.

Visit www.dce.ndsu.nodak.edu/sites/transilvania or contact Salajan at 1-5674 or florin.salajan@ndsu.edu for more information.

Director of human resources and payroll named



Erickson

Colette Erickson has been named director of the human resources and payroll department at NDSU, effective March 16. She has worked as interim director of that department since June 2010.

As director, Erickson will be responsible for managing the strategic direction and day-to-day operations for the human resources and payroll department.

"Colette has done a superb job as the interim director of human resources and payroll," said Bruce Bollinger, vice president for finance and administration. "She exhibits a broad knowledge base in human resources, a long-term working knowledge of the campus and higher education and has established long-term relationships with faculty and staff at NDSU and within the N.D. University System. I am pleased that she has accepted the role as the full-time director, and I look forward to her using her abilities in moving the department and university forward in the future."

Erickson joined NDSU in 1995 as associate director of human resources. Before working in higher education, she spent 14 years at Blue Cross Blue Shield of North Dakota, Fargo.

Erickson earned her bachelor's degree in music education from the University of North Dakota, Grand Forks, and her master's degree in administration with a human resources concentration from Central Michigan University, Mt. Pleasant, Mich. She also holds a senior professional in human resources certification.

Accounting students provide free tax preparation services

Thirty NDSU accounting students are serving the community and gaining tax-preparation experience through the Volunteer Income Tax Service. Their services, provided at no charge, are open to the whole community, with special emphasis on serving people who have low incomes, people whose native language is not English and international students.

A branch of the Internal Revenue Service's Taxpayer Services Division, the Volunteer Income Tax Service at NDSU prepares and e-files clients' federal and state income taxes. If the client needs to submit a paper return, volunteers provide the correct forms along with instructions for where to send them. All returns are reviewed for accuracy by James Clifton, assistant professor of accounting practice, who runs the program, or graduate student Melinda Fangman, who is one of four interns who supervise the volunteers.

"I believe that the Volunteer Income Tax Service is a valuable service for the people in the area who use it and a valuable experience for the students who volunteer," Clifton said. "It is definitely a win-win situation."

The program benefits the community by providing free services for people who may not have access to paid tax-preparer services and by assisting clients in the language they prefer to speak. Many of the student volunteers speak multiple languages. In addition, the program has access to volunteer translators through the Office of International Programs at NDSU.

The program, which has been in existence for 15 years, began as a class requirement. It later shifted to a volunteer basis to ensure the students had the time and desire to do the work, said Clifton, who has been leading the program for 10 years.

Volunteers benefit by gaining "first-hand experience working with clients in a tax situation," Clifton said. "They learn that preparing a tax return can be very easy when everything goes well. They also experience how difficult it can be when things don't go well." The real-world experience also "is frequently a topic of conversation when they are being interviewed for a job," Clifton said. "They also gain an appreciation of what it means to volunteer."

Intern Joseph Anderson, a senior accounting major from Granite Falls, Minn., is responsible for site coordination, quality reviews and electronic filing. "I have learned that there are many important procedures to focus on when operating a tax preparation service," he said. "I have also learned that there are many important steps involved with creating a tax return; each client's return will be unique."

"I enjoy doing something that will help our community," said intern Iryna Lindhag, a senior accounting major from Uman, Ukraine. "I also want to have the experience of tax preparation before I graduate."

The program recently began specializing in helping international students after Fangman and a former Volunteer Income Tax Service intern noticed many international students were filing incorrectly. Looking into the problem, they realized international students needed a resource to assist them with their special tax issues. As a result, the interns implemented tax seminars geared for international students and pursued specialized training. All 2011 volunteers passed the Internal Revenue Service's Foreign Students tax test, and all 2012 volunteers were trained by the North Dakota

State Tax Commissioner's Office on how to accurately complete the state's tax forms for international students.

NDSU's program is the only one in the North Dakota University System to have volunteers complete the Internal Revenue Service's Foreign Students Test, Fangman said. "Our program caught the attention of other schools in the area," she said. As a result, Fangman has trained volunteers at the University of North Dakota, Concordia, Minnesota State University Moorhead, Valley City State University and Mayville State University.

Intern Marcus Askvig, a senior accounting major from Des Lacs, N.D., said he has learned a lot about non-resident filing by being part of the program. The experience is also helping him determine whether he wants to pursue tax accounting after graduation.

The Volunteer Income Tax Service is available Mondays from 5:30 p.m. to 7:30 p.m. in the NDSU Main Library located at 1201 Albrecht Boulevard. The tax service will be available until March 26.

Equine studies faculty member to receive Service Learning Award



Berg

Provost Bruce Rafert announced Erika Berg, assistant professor of equine studies, has been selected to receive NDSU's Service Learning Award for 2012. She will be recognized at the annual NDSU Celebration of Faculty Excellence, scheduled for Tuesday, May 1, at 3 p.m. at the Alumni Center.

Rafert said Berg is being honored for her efforts to develop a minor and certificate program in therapeutic horsemanship, which enables student volunteers to work with the Riding on Angels' Wings organization. The non-profit organization's goal is to strengthen, empower and educate individuals with physical, cognitive, behavioral and emotional disabilities. During 2011, Riding on Angels' Wings served 197 people from Fargo-Moorhead and the surrounding area.

"The committee was impressed with Dr. Berg's contribution to service learning at NDSU," Rafert said. "This service learning experience is equally rewarding to students as a means of giving back to the community. Dr. Berg is diligent in ensuring student success, and she encourages them to do their very best in and out of the classroom. This honor is well deserved."

Students taking Berg's Introduction to Therapeutic Horsemanship course each provide 16 hours of volunteer service. The students engage in a number of roles at Riding on Angels' Wings, perhaps most importantly walking next to riders mounted on the horses, helping to keep them safe and facilitating engagement and communication.

The physical benefits of equine-assisted therapies include increased range of motion in joints, increased balance and greater flexibility. Riders with cognitive disabilities often experience improved motor sequencing and greater attention to task.

Berg earned her bachelor's and master's degrees in animal science at Purdue University and her doctorate in animal science at the University of Missouri. Her research interests include the impact of therapeutic horsemanship on equine and human participants and maternal factors affecting equine neonatal physiology.

Commission on Status of Women Faculty invites nominees for award

The Commission on the Status of Women Faculty invites nominations of departments for the 2012 Advance FORWARD Award. This is a \$5,000 award given to the academic department making the greatest progress in supporting and advancing the five core FORWARD goals. The goals are to:

- Improve climate in departments and narrow the gap between men's and women's perceptions of the campus climate,
- Enhance recruitment strategies to employ women, women of color and women with disabilities,
- Increase retention strategies to retain women in the department through the probationary period and the promotion or tenure process,
- Promote and advance women through strategies to support women associate professors as they move to full professor and to hire women at advanced ranks and
- Create leadership opportunities to promote women faculty to academic leadership positions.

For each nominee, the committee requests:

- A brief statement of no more than two pages explaining what makes the nominee an exemplar department in terms of improving conditions, policies and practices at NDSU,
- How the department worked toward one or more of the five goals listed above,
- Evidence of productive strategies and effectiveness of each strategy, and sustainability of efforts shown through regularized policies and procedures,
- A copy of the department's most recent annual report (2010-11), and
- Other pertinent supporting documents.

All departments are eligible for nomination. The review committee will include individuals not affiliated with nominated departments to avoid conflicts of interest.

Send nominations to ndsuforward@nds.edu by April 22. Direct questions to Christina Weber and Karen Froelich, Commission on the Status of Women Faculty co-chairs, at christina.d.weber@nds.edu and karen.froelich@nds.edu.

The Commission on the Status of Women Faculty was created as part of NDSU's Advance FORWARD program funded by the National Science Foundation to improve campus climate; to enhance recruitment, retention and advancement of women faculty; and to open academic leadership opportunities.

Community weather network seeks volunteers

North Dakotans can become part of the state's climatological history by becoming volunteers for the Community Collaborative Rain, Hail and Snow Network.

"In your neighborhood, volunteers of all ages and backgrounds are measuring precipitation in their backyards as part of the network, which has grown to more than 15,000 volunteer observers covering every state of the country," says Adnan Akyuz, North Dakota state climatologist and assistant professor of climatology in the NDSU soil science department.

North Dakota joined the network in October 2008 and has 180 volunteer observers.

"We need as many volunteer observers as possible around the state to help forecast flood potential, especially in the Red River Valley," Akyuz said. "It's fun, easy and only takes five minutes a day."

The observers measure rainfall, snowfall and snow depth. Some observers also measure the water equivalence of the melted snow. The National Weather Service uses that information to assess potential river flooding more accurately.

The network engages volunteers of all ages, from grade-schoolers to people in their 90s, to document the size, intensity, duration and patterns of precipitation by taking simple measurements in their backyards.

The rain gauges the network uses are available from several distributors on the network's website at www.cocorahs.org. The website also offers online training.

Data from the network's volunteers routinely are being viewed and used by many professions and organizations, including the National Weather Service, meteorologists, hydrologists, emergency managers, city utilities, insurance adjusters, agribusinesses, engineers and science teachers. Data are used for many applications, such as water resource planning, irrigation scheduling, severe storm warnings, teaching, predicting crop yields and assessing hail damage.

For more information or to join the network, click on the "Join CoCoRaHS" tab at www.cocorahs.org.

IT Division adopts new support tracking system

NDSU's Information Technology Division is migrating to a new support tracking system called Service-Now, which is provided by the North Dakota University System. Remedy, the current tracking system, is scheduled to be retired later this spring.

Currently, when a help request is submitted to the IT Help Desk, individuals receive an email notification and updates throughout the life cycle of the ticket. After the division migrates to Service-Now, submitters will continue to receive notifications and updates and have the ability to respond directly to the messages to update the request.

Service-Now also will provide NDSU students, faculty and staff the ability to log into Service-Now with their NDSU email address

and ConnectND (Campus Connection or Employee Self-Service) password to view and update existing tickets, or to submit new tickets.

On March 12, individuals started to receive notifications from Service-Now for all new information technology support requests.

For more information about this change, call 1-8685 or email ndsuhelpdesk@ndsu.edu.

Nominations sought for individuals who make NDSU smile

Nominations are being accepted for the Mary McCannel Gunkelman Recognition Award for a student or employee at NDSU who has made the most significant and unselfish contributions to creating a happy environment for the enjoyment of NDSU students. Specific examples of how this individual has had direct impact on making NDSU a pleasant, cheerful campus for students during the current academic year should be provided.

John L. Gunkelman and his family established the Mary McCannel Gunkelman Recognition Award in 1987 in memory of Mary McCannel Gunkelman, who was a 1942 NDSU College of Home Economics graduate.

Gunkelman was dedicated to the principle that a student would be more likely to attain his or her full potential if he or she were working and living in an enjoyable environment. She believed the more enjoyable the campus and programs at NDSU were, it would be a better university in the future.

Nomination forms are due Monday, April 9, and will be shared with the nominee. Nomination information can be found on the Staff Senate website at www.ndsu.edu/staff_senate. The recipient will be announced at a reception open to the campus community at the NDSU Memorial Union, Great Room on Wednesday, May 2. Nominees must be present at the reception in order to receive the award.

Sax quartet Invited to audition, associate professor to perform

The NDSU Saxophone Quartet, under the direction of music associate professor Matthew Patnode, has been invited to audition as finalists at the Coleman Chamber Music Competition, which will be held at the California Institute of Technology in Pasadena, Calif., on April 28. Quartet members are Carolyn Braus, Kohei Kameda, Andrew Budke and Paul Nasson.

Founded in 1904 by Alice Coleman, the Coleman Chamber Music Association is one of the oldest organizations in the United States dedicated to the presentation, understanding and enjoyment of chamber music. Coleman's activities include an annual series of six chamber music concerts in Caltech's Beckman Auditorium and a nationally recognized annual competition for young chamber music performers. Many Coleman Competition winners have gone on to become widely acclaimed artists. Held annually, the competition offers an opportunity for participants to vie for three cash prizes totaling \$15,000.

Local artist presents entertaining photographic collection

Artist Meg Spielman Peldo presents the photographic collection, “no lumps, thank you; a bra anthologie,” which is an uplifting and entertaining collection of playful brassieres created from a wide and wild variety of common objects. The show is located in the Memorial Union Gallery through March 31, with a reception scheduled from 5 p.m. to 7 p.m. on March 22.

From “nest enhancement,” which is two bird nests adorned with delicate flowers and string, to “Hot Ta-tas,” which include colorful Mexican bowls filled with peppers sporting braided green onion straps, Peldo creates clever images that appeal to both males and females and virtually all age groups.

The original fine art images with humorous titles will be released in a coffee table book this summer by Schiffer Books and, as a bonus, will raise funds for breast cancer charities.

Peldo works in multiple medias including clay, fiber and photography. Her work has been featured on an HGTV artist series and can be found in private and corporate collections around the world. Peldo’s North Dakota images have been presented to dignitaries across Asia on multiple trade missions, and she has won numerous awards and licensed images with major publishers. She has a photography studio in downtown Fargo.

Student orientation dates set

The Office of Orientation and Student Success has set the following dates for upcoming new student orientation and registration programs. Orientation and registration will acquaint new students with the NDSU campus and university life while allowing them to register for fall semester classes. For more information, contact the Office of Orientation and Student Success at 1-8379.

- April 23 – Transfer and Summer School Drop-in Orientation
- June 14 – Scholars’ Orientation
- June 15 – Scholars’ Orientation
- June 22 – Transfer Drop-in Orientation
- June 25 – Freshman/Family
- June 26 – Freshman/Family
- June 27 – Freshman/Family
- June 28 – Freshman/Family
- June 29 – Freshman/Family
- July 9 – Freshman/Family
- July 10 – Freshman/Family
- July 11 – Freshman/Family
- July 12 – Freshman/Family
- Aug. 1 – Combined: Freshman/Family and Transfer
- Aug. 20 – Combined: Freshman/Family and Transfer

International Week planned for March 26-30

NDSU’s International Week, an annual weeklong series of events designed to explore and celebrate diversity from around the world, is scheduled for March 26-30. The events, sponsored by the Office of International Programs, are open to campus and the Fargo-Moorhead community.

For a full description of the week’s events, visit www.ndsu.edu/international/programming_volunteering_international_week.

Saddle and Sirloin Club wins awards



NDSU Saddle and Sirloin Club members place in competition at the National Block and Bridle Convention in Murfreesboro, Tenn. Pictured are (from left to right, front row): Kathryn Smith, Lacy Wulfekuhle, Jordan Hieber, Beth Hendrickx and Marcy McNichols and (back row) Aaron Steckler, adviser Jim Kirsch and Nicole Wynsteker.

NDSU’s Saddle and Sirloin Club once again brought home awards from the National Block and Bridle Convention.

The seven members of the club attending the convention in Murfreesboro, Tenn., in late January placed first in the scrapbook competition and third in the chapter yearbook and chapter activities report categories. This is the third year the club has taken first place in the scrapbook competition.

The National Block and Bridle organization consists of 95 university and college clubs from across the United States. A total of 435 members from 35 chapters attended this year’s convention.

The Saddle and Sirloin Club members also attended the National Cattlemen’s Beef Association Convention in Nashville, Tenn., toured agricultural facilities in Tennessee and learned from speakers.

“The students were able to network and make valuable contacts within the agriculture community while attending both conventions,” says Jim Kirsch, Saddle and Sirloin Club adviser.

Club members competing this year were: Beth Hendrickx, senior, Bowman, N.D.; Jordan Hieber, sophomore, Ugly, Mich.; Marcy McNichols, senior, Grand Rapids, Minn.; Kathryn Smith, junior, McLeod, N.D.; Aaron Steckler, senior, St. Anthony, Minn.; Lacy Wulfekuhle, senior, Wolverton, Minn.; and Nicole Wynsteker, sophomore, Waconia, Minn.

NDSU Music hosts several events

NDSU Music hosted several groups this semester, including the North Dakota American Choral Director's Association Conference, Women's Choral Festival and the High School Jazz Festival.

Held Feb. 3-4, the North Dakota American Choral Director's Conference used the Reineke Fine Arts Center for classes, workshops, exhibitions and guest speakers. More than 300 singers and 75 choral instructors and students attended the event, which was hosted by Michael Weber, associate professor of music.

Kyle Mack, associate professor of music, organized the 30th annual High School Invitational Jazz Festival, Feb. 10-11. Guest artists included Eric Richards, trombone, and James Miley, piano. Seventeen high school jazz bands from the United States and Canada studied with the artists, and the event culminated with a performance that included the NDSU Jazz Ensemble on Feb. 11.

Charlette Moe, music lecturer, organized the Women's Choral Festival held Feb. 24. Eleven women's choirs from the region's high schools rehearsed throughout the day to prepare for a mass choir concert, which was held that evening and also featured the NDSU women's chorus, Cantemus.

Students find success at Clean Snowmobile Challenge

The NDSU student team earned three awards during the Clean Snowmobile Challenge that ended March 10 at Michigan Technological University, Houghton, Mich.

The NDSU team, which took fourth place in the challenge, received the Society of Automotive Engineers Award for Best Design in the internal-combustion category, Mahle Powertrain Award for best engine design and Sensors Inc. Award for Lowest In-Service Emissions.

According to team member Chad Thomas, the NDSU team made a big impact with its diesel-powered sled. "We raised a lot of eyebrows this year. If we solve a couple of small issues we really will be the team to beat at next year's challenge," he said.

Much of the design work for the NDSU sled was completed by a core group of mechanical engineering students, including Thomas, a senior from Moorhead; Andy Bristow, a senior from Alexandria Minn.; Drew Weber, a senior from Cottage Grove Minn.; and Rick Bjorkquist, a senior from Crosslake Minn.

The NDSU squad is one of 12 teams entered in the internal combustion category, where engineering students take a stock snowmobile and re-engineer it. The goal is to reduce emissions and noise and increase fuel efficiency while preserving ride performance. The NDSU students used a turbo-diesel engine, only the second team in the competition's history to do so, which allowed them to achieve an unofficial 28.5 miles per gallon.

In the competition, Clarkson University of Potsdam, N.Y., captured first place in the challenge, while the University of Alaska, Fairbanks, won the zero-emissions category.

Information Technology offers training opportunities

NDSU Information Technology Services has added a wide range of free classes to the training schedule for March, April and May. Check out the class descriptions, the current schedule and register for the session(s) at www.ndsu.edu/its/training/facstaff.

All sessions are free and open to any faculty or staff member. Students also are welcome to register and attend on a space-available basis.

Some new classes include screen recording with Jing, CMS training, Adobe Acrobat Pro 10, Respondus 4.0 Webinar and Prezi (PowerPoint alternative).

Sessions with multiple days listed in the schedule are continued on each of the days; they are not the same sessions repeated on different days. Contact Lorna at 1-6328, or Cj at 1-6245 if you have questions or need to cancel. Cancellations must be made 48 hours prior to the start of your registered session. Your department will be assessed a \$25 fee for late cancellations or no shows.

All sessions will be held in the ITS Training Room in 246 IACC.

Staff Recognition Award nominations sought

The Staff Senate, in partnership with the Office of Human Resources/Payroll, is seeking nominations for the 2012 Staff Recognition Awards.

The awards are given to acknowledge outstanding achievement on the job, exceptional contributions toward the effectiveness and efficiency of operations or outstanding service to other employees, students or visitors. They also honor distinguished efforts in staff development.

Nominations of broadbanded staff members in two categories, Individual Awards and a Team/Committee Award, will be accepted until 4 p.m. on Friday, March 23.

Up to 10 individual awards will be given based on broadbanded percentages at NDSU. A single team/committee award also will be given to a team with two to 10 members.

Individual award winners will receive \$250 cash awards. The team/committee award winner will receive a \$600 cash award to divide equally among the team members (maximum of \$250 per individual team member). Winners will be announced and recognized at the Staff Recognition Luncheon on April 10.

Winners of the individual awards also will be considered for Governor's Awards. In 2009, two individual award winners were selected for the award and were recognized by the governor at the Capitol Building in Bismarck.

Nomination forms and guidelines are available at www.ndsu.edu/staff_senate/staff_recognition_award. Forms can be completed and submitted online. To obtain a paper nomination form, contact Janine Trowbridge, staff senator for the Employee Recognition Committee, at janine.trowbridge@ndsu.edu or 1-7315.

NDSU staff members honored at Addy Awards

Work produced by NDSU's Office of Publications Services and Office of Distance and Continuing Education received numerous honors, including Best of Show, at the American Advertising Federation of North Dakota's annual Addy Awards, held Feb. 24.

Together, NDSU staff members won six Gold Addy Awards and eight Silver Addy Awards. Best of Show was awarded to a Concert Choir poster and program, designed by Rebekka DeVries, in Publications Services. Another top honor, a Judge's Choice award, went to the "DCE Style and Graphic Standards Manual," designed by Ludvik Herrera and Jeff Knight, both in Distance and Continuing Education.

The competition included nearly 400 entries from across North Dakota in all areas of advertising, including print, TV, radio and interactive.

The state-wide Addy contest is the first part of a three-tier national competition conducted annually by the American Advertising Federation. Local gold award winners move on to a district competition against other local contest winners from North Dakota, South Dakota, Minnesota and Wisconsin. Gold winners at the district level then move on to a national competition.

Other NDSU honors include:

Gold Addy Awards

- Admission brochure campaign, Office of Admission
- Concert and choir poster and program, Music Department
- Study Abroad promotion campaign, Office of International Programs
- Distance and Continuing Education website
- Distance and Continuing Education mobile app
- Distance and Continuing Education Style and Graphic Standards Manual

Silver Addy Awards

- Distance and Continuing Education campaign
- Ladd Legacy logo, College of Science and Mathematics
- Call Sara campaign, Student Life
- Erv Inniger Roast invite, NDSU Athletics
- Engineering and Architecture brochure, College of Engineering and Architecture
- International Week, Office of Equity, Diversity and Global Outreach
- Bison Pride citation, NDSU Athletics
- NDSU Theatre season campaign, Theatre Department

Publications Services staff recognized for their work includes Brad Clemenson, Janelle Kistner, Rebekka DeVries, Katie Elenberger, Beth Hagemester, Morgan Davy, Dan Koeck, Kathy Laid, Steve Bergeson and Linsey Davis. Distance and Continuing Education staff honored include Ludvik Herrera, Jeff Knight and Saumya Singh.

Ballroom Dance Club competes in Minneapolis



Quang Phan, a second-year professional pharmacy student, and Sammie Nguyen, a fourth-year professional pharmacy student, compete in the Star of the North dance competition.

The NDSU Ballroom Dance Club sent nine couples to the Star of the North dance competition in Minneapolis Feb. 25-26. Competitors came from Minnesota, Wisconsin, Illinois, Iowa and Kansas. The competition was one of the largest in the country for college competitors, with schools ranging from Big 10 schools like Northwestern University and the University of Iowa, to small private schools such as Luther College and Carleton. The college team match had 18 teams. Eleven teams went on to the second round; NDSU did not qualify.

However, NDSU dancers were successful in the competition between individual couples, especially at the newcomer level. Proficiency levels range from newcomer to bronze, silver and gold level. NDSU had three different first place finishers in different events, each with at least 60 couples entered. For complete results, visit www.ndsu.edu/news/view/article/13962.

Staff Senate nominations sought

NDSU Staff Senate nominations will continue to be open to all staff until 1 p.m. on March 19.

Staff Senate is comprised of 60 senators representing more than 1,400 NDSU staff members. Meetings are held the first Wednesday of each month and typically last less than an hour and a half. Senators serve on one standing committee each year, but can serve on additional committees if interested.

Currently 23 seats are open on Staff Senate:

- 1000/3000 bands – 11 senators needed
- 4000 band – three senators needed
- 6000/7000 bands – nine senators needed

Individuals may nominate himself/herself or someone else to be a senator. If you are nominating someone else, check with that person first. Also check with your supervisor for permission to serve.

To nominate yourself or a fellow co-worker visit, <https://apps.ndsu.edu/staffelection>. Voting for senators is scheduled for March 22-29. For more information, contact a Staff Senate Executive Committee member, www.ndsu.edu/staff_senate/committees/#c40553, or a current senator, www.ndsu.edu/staff_senate/senator_directory.

2012-13 Staff Senate scholarships available

NDSU Staff Senate is offering scholarships to eligible NDSU broadbanded staff, children of broadbanded staff and undergraduate students who have not earned a bachelor's degree. The application deadline for the scholarships is Friday, April 6, 2012. Recipients will be announced prior to the 2012 fall semester.

Broadbanded Staff Senate Scholarship, \$100

The applicant must have:

- Finished a full year of employment at NDSU by April 6, 2012
- Current employment at NDSU as a broadbanded employee
- Current enrollment at NDSU of three or more undergraduate credits or two graduate credits at the time of application and disbursement of award
- Earned a minimum of nine undergraduate or six graduate credits at NDSU
- Earned a 2.5 cumulative grade-point average or higher

Children of Broadbanded Staff Senate Scholarship, \$500

maximum (dispersal of funds will be in equal installments at the beginning of fall and spring semesters)

The applicant must have:

- A parent who has completed one year of employment at NDSU by April 6, 2012, and is employed as a broadbanded employee
- Enrolled as an undergraduate student with a minimum of six credits per semester at the time of application and disbursement
- Not earned a bachelor's degree
- Earned a minimum of 15 credits at NDSU by April 6, 2012
- Earned a 2.5 grade-point average or higher

General Undergraduate Staff Senate Scholarship, \$500

maximum (dispersal of funds will be in equal installments at the beginning of fall and spring semesters)

The applicant must have:

- Full-time enrollment as an undergraduate student per NDSU guidelines at the time of application and disbursement
- Not earned a bachelor's degree
- Earned a minimum of 30 credits at NDSU by April 6, 2012
- Earned a 2.5 cumulative grade-point average or higher

Applications are available in the Office of Student Financial Services, Ceres 202, or online at www.ndsu.edu/staff_senate. For more information, contact Matt Chaussee at 1-8986 or matthew.chaussee@ndsu.edu.

Baseline Safety Training scheduled

Baseline Safety Training sessions have been scheduled for March, April and May. The program is a mandatory training for all NDSU employees. If you are a supervisor, it is mandatory you take both Supervisor Safety Training and Baseline Safety Training. Both courses must be completed on an annual basis.

The following is the upcoming schedule for Baseline and Supervisor Safety Training:

Baseline Safety Training

- March 20 – 3 p.m., FLC, Room of Nations
- March 21 – 9 a.m., FLC, Room of Nations
- April 24 – 3 p.m., FLC, Room of Nations
- April 25 – 9 a.m., FLC, Room of Nations
- May 22 – 3 p.m., FLC, Room of Nations
- May 23 – 9 a.m., FLC, Room of Nations

Supervisor Safety Training

- March 19 – 3 p.m., Memorial Union, Arikara room
- April 23 – 3 p.m., Memorial Union, Arikara room
- May 21 – 3 p.m., Memorial Union, Arikara room

If you cannot attend any of the classes, you are encouraged to complete the course online and submit the short quiz to the Safety Office as proof of your compliance. To do so, go to www.ndsu.edu/police_safety/training.

RESEARCH

Assistant professor receives prestigious NSF CAREER Award



Do

A major national grant received by an NDSU computer science assistant professor will be used to help develop more effective methods to test software, enhance computer science curriculum and provide opportunities for student researchers.

Hyunsook Do, assistant professor of computer science, received a Faculty Early Career Development award from the National Science Foundation. Do will receive a five-year, \$500,000 award from the foundation to conduct research outlined in her proposal, titled "Context-aware Regression Testing Techniques and Empirical Evaluations of Their Economic Impact." She is the first member of the computer science department at NDSU to receive a CAREER award.

When developers create, enhance and update software programs, regression analysis is used to find and fix bugs in the software code, a time-consuming process that is responsible for a significant percentage of software costs. Do's research program will lay a foundation to evaluate the cost-effectiveness of regression testing techniques and strategies in practical ways. The potential discoveries made by this research are expected to promote software dependability.

The research is expected to create cost-effective regression testing strategies to address the testing process and domain contexts; create regression testing strategies that address system lifetimes; create economic models that enable the adequate assessment of techniques and strategies; and evaluate and refine these techniques and strategies through rigorous empirical approaches.

Do notes that while some progress in this area of research has been achieved, three important aspects of the regression testing problem have not been considered. "Most regression testing research has focused on creating new techniques, and very little work has considered factors involving the context in which testing occurs," said Do, "but context factors are very important in practical testing situations for identifying and assessing appropriate regression testing techniques."

In addition, most research has taken a snapshot view of regression testing, using an approach centering on single systems versions. "This approach, however, ignores the fact that regression testing is performed repeatedly across a system's lifetime, and techniques may exhibit different cost-benefit tradeoffs when assessed across entire system lifetimes than when assessed relative to individual versions." According to Do, most empirical evaluations of regression testing techniques have relied on limited metrics and have not considered the economic impact of the techniques. "To properly assess regression testing techniques and strategies in terms of economic benefits, we need economic models that capture important cost factors and quantify benefits."

Graduate and undergraduate students will be involved in Do's research and will focus on two common application domains that require different testing processes: large-scale industrial applications and Web applications that require frequent patches. The overall goal of the research is to develop more effective regression testing techniques for the software industry and foster additional research in the field.

Do also will use the CAREER award to enhance current graduate course curriculum and to develop a new graduate course on software testing and its economic implications. "Most important overall, the discoveries my students and I make will promote software dependability, with potential benefits to organizations and persons who depend on that software," Do said.

"Dr. Hyunsook Do provides a great example of successful work/life balance in a discipline, computer science, not known for being exceeding hospitable toward women. She has attained one of the highest honors in her profession. Dr. Do is an absolutely solid role model for young academics and especially young women. We commend her on her achievements," said Brian Slator, chair of the computer science department.

"Dr. Do is leading the way for a superb group of young investigators in a very strong computer science department," said Kevin McCaul, dean of the College of Science and Mathematics.

Since 1996, 16 faculty members at NDSU have received prestigious National Science Foundation CAREER awards. "NDSU researchers continue a standard of excellence that reflect the institution's ability to attract the best and the brightest among new faculty researchers," said Philip Boudjouk, vice president for research, creative activities and technology transfer.

Overall, National Science Foundation CAREER awardees at NDSU have received more than \$6.8 million in grants to conduct research in biology, chemistry, civil and electrical engineering, computer science, pharmaceutical sciences, and coatings and polymeric materials. NSF CAREER awardees currently at NDSU include faculty members Gregory Cook, Seth Rasmussen, Wenfang Sun, Sivaguru Jayaraman and Uwe Burghaus in chemistry and biochemistry; Sanku Mallik in pharmaceutical sciences; Magdy Abdelrahman, Xuefeng Chu, Kalpana Katti and Eakalak Khan in civil engineering; Kendra Greenlee in biological sciences; and Do in computer science.

Supercomputing could play role in energy development



From L to R: Tomás Díaz de la Rubio, deputy director for science and technology, Lawrence Livermore National Lab; Andy Paliszewski, director of wind turbine R&D, Siemens Energy, Inc.; Matt Thompson, general manager, Legacy Division, QEP Resources; U.S. Sen. John Hoeven; Mark Nisbet, North Dakota principal manager, Xcel Energy; Philip Boudjouk, NDSU vice president for research; and NDSU Provost Bruce Rafert.

Advancing technology to secure the nation's energy future was among the topics discussed at the North Dakota Energy Symposium held at NDSU on March 5. Attendees from industry, government and academia discussed the role of supercomputing facilities including NDSU's Center for Computationally Assisted Science and Technology. Such facilities can aid in development of clean energy technologies, smart-grid transmission systems, increased production in oil and gas fields, and methods to better predict wind farm production.

"By merging together the best ideas and practices from university, government and industry, we can produce more energy with better environmental stewardship," said U.S. Sen. John Hoeven, who was the keynote speaker at the event. "North Dakota is leading the way in energy production, and research and technology play a key role in our success."

NDSU Provost Bruce Rafert emphasized that important advances in clean energy production have widespread global impacts. "It's one of the great geopolitical issues of our time and all are issues of great importance for North Dakota," Rafert said. He noted the use of high performance computing in energy research to optimize development, design and processing through modeling and simulation.

Collaboration between national scientific laboratories and NDSU's supercomputing capabilities could lead to increases in energy production with a smaller environmental footprint, according to Hoeven.

"In partnership with industry and academia, the high performance computing and science and technology expertise resident at national labs such as Lawrence Livermore can stimulate the rapid advancement of U.S. clean energy technologies essential to the nation's energy security," said Tomás Díaz de la Rubia, Lawrence Livermore National Laboratory deputy director for science and technology, who spoke at the symposium.

NDSU has received \$18 million for supercomputing research from the U.S. Department of Energy since 2008.

Computation often serves as a fourth dimension of research, according to Philip Boudjouk, NDSU vice president for research, creative activities and technology transfer. Research projects highlighted at NDSU included solar and photovoltaic energy applications, oil shale, liquid silicon and new polymers from renewable crops in North Dakota, among others.

"Researchers will develop a Mount Everest of data by noon on any given day," said Boudjouk. "CCAST at NDSU provides access to computer modeling and simulation, on-ramps to federal data centers and computational expertise. These are valuable tools to advance research."

The tsunami of data requires powerful computational science to solve problems, according to Martin Ossowski, Center for Computationally Assisted Science and Technology director. These resources are being used by industry on many projects including designing drill bits and pipelines.

Mark Nisbet, North Dakota principal manager for Xcel Energy, emphasized the energy industry's creation of jobs in the state, as well as his company's support of a diverse mix of energy sources, and the benefits of access to engineering students at NDSU.

Moderators of expert panel discussions at the symposium included NDSU representatives Kalpana Katti, Distinguished Professor of civil engineering; Alan Kallmeyer, chair of mechanical engineering; and Kendall Nygard, computer science professor.

Sponsors of the event included Hoeven, Lawrence Livermore National Laboratory, The Howard Baker Forum and NDSU's Office of Research, Creative Activities and Technology Transfer.

NDSU lab to analyze clay samples from ND oilpatch counties

Scientists in a lab at NDSU's Center for Nanoscale Science and Engineering are analyzing materials that could eventually play a role in North Dakota oil exploration.

As part of a research agreement with the North Dakota Geological Survey in Bismarck, N.D., the Materials Characterization and Analysis Laboratory at the Center for Nanoscale Science and Engineering is analyzing 198 clay samples to determine their composition and suitability for use as a component in hydraulic fracturing. The clays show early promise for potential use as a key material known as ceramic proppant, used in the fracking process to help keep fractures open. The fracking process is used to extract oil and natural gas deep within the ground in places such as the Williston Basin.

The materials lab at the center provides scientific expertise and a unique set of analytical capabilities and instruments not typically found in other settings. "The lab has excellent analytical equipment, a very good reputation for generating accurate results in a timely manner, and the lab personnel are easy to work with," said Ed Murphy, state geologist for North Dakota.

Energy industry publications have referenced shortages of proppant. Results from the scientific study of the samples could shed light on whether North Dakota could eventually supply some of the proppant materials needed for oil exploration.

The clay, known as kaolinite, is found in some hillsides in western North Dakota. Researchers at NDSU's Center for Nanoscale Science and Engineering will use X-ray fluorescence to determine which elements and how much of those elements are contained in samples from the various locations. Out of the 198 samples, the scientists also will analyze 36 clay samples using X-ray diffraction to determine the amount of kaolinite, illite, chlorite and other substances that may be in the samples. The testing is expected to take approximately five months. The samples being tested at the center come from Adams, Bowman, Dunn, Golden Valley, Grant, Hettinger, Mercer, Morton, Slope and Stark Counties.

NDSU's Center for Nanoscale Science and Engineering researchers and technicians working on the project include: Bret Mayo, Cindy Buttke, Eric Jarabek, Jim Bahr and Margaret Piranian.

"The labs and scientific staff at NDSU CNSE have unique capabilities. We frequently partner with agencies and industry on projects," said Philip Boudjouk, vice president for research at NDSU. "We're glad to be able to provide such expertise that may be of future assistance to the state's energy enterprise."

PEOPLE

Head of visual arts TEDx talk available online



Strand

Michael Strand, associate professor and department head of visual arts, recently gave a TEDx talk, titled "The Spaces Between: Art, Craft and Humanity." Strand's TEDx talk is available at www.youtube.com/watch?v=5oIgwQhvp1k&context=C3ac2d30AD0EgsToPDskI9dYUd-PzdXcWXaL9bMMJy.

TED, a nonprofit devoted to "ideas worth spreading," started as a conference to bring people together from technology, entertainment and design worlds. TEDx is a program intended to give communities, organizations and individual people an opportunity to stimulate dialogue at the local level.

Formatively a potter interested in the potential of functional art in today's society, Strand's work has moved into community and social engagement. Recent projects have been internationally documented, with a forthcoming feature article in *Ceramics Art and Perception* scheduled for this spring.

Other Fargo TEDx presenters were Doug Burgum, former chair and CEO of Great Plains Software; Carl Peterson, CEO and founder of Peterson Farms Seed; and Susan Mathison, founder of Catalyst Medical Center.

Animal sciences department hires nutrition research technician

Erin Gaspar joined the animal sciences department as a nutrition research technician on Feb. 15. She is originally from Maplewood, Minn., and earned her bachelor's degree in animal science with an equine science emphasis from the University of Wisconsin-River Falls in May 2011.

After graduation, Gaspar worked on a performance quarter horse ranch in Cody, Wyo., where she performed ranching duties and trained cutting horses. While at NDSU, Gaspar also will work toward earning a master's degree in ruminant nutrition.

Assistant professor participates in focus group, conducts survey

Jessica Jensen, assistant professor of emergency management, was an invited participant in a Federal Emergency Management Agency focus group March 5-8 to develop an executive/managerial training curriculum for emergency management practitioners.

The agency is developing a comprehensive Emergency Management Training and Education System that will include foundational training related to the field, career track specific training (e.g., in planning, training and mitigation), and the executive/managerial training Jensen is helping to develop. The agency envisions the training as the highest level a practitioner can complete in emergency management.

Jensen attended the focus group as the representative of emergency management higher education. Other participants included a Federal Emergency Management Agency regional administrator, representatives of state emergency management departments, representatives of professional associations and Emergency Management Institute personnel.

Jensen also conducted survey research on the impact of a type of federal funding, known as Emergency Management Performance Grants, on local government emergency management programs for the U. S. Council of the International Association of Emergency Managers. The council describes the survey in its press release as "the largest and most comprehensive examination of local emergency management capability conducted in the United States."

On behalf of the council, Jensen wrote a short technical report, titled "Emergency Management Performance Grant Funds: Returns on Investment at the Local Level" based on the data collected. The report illustrates how Emergency Management Performance Grants funds support emergency management activities to bring about coordination, collaboration and integration within local level and tribal jurisdictions in the United States in 2011.

The International Association of Emergency Managers is the largest emergency management professional association in the world. Jensen has volunteered for the association for several years and is a member of its Training and Education and Government Affairs Committees.

IT Division communications coordinator earns doctorate

Cloy Tobola, communications coordinator for the Information Technology Division, earned his doctorate in communication at NDSU after completing his dissertation research on communication and information technology.

Tobola's dissertation, titled "Online interaction and identity development: The relationship between adolescent ego identity and preferred communication activities," addressed connections between how young people use technologies such as blogs and Facebook, and their personal development.

Tobola has worked in the Information Technology Division since 2007. During the past two years, Tobola also has served part time as interim chief information officer for North Dakota State College of Science in Wahpeton, N.D., as part of a service-level agreement between NDSU and the college.

Interim vice president for information technology Marc Wallman extended his congratulations to Tobola for his academic and professional successes. "It's great to have staff in our division who are actively involved in academia at NDSU," Wallman said. "I believe it benefits our division and the university."

Wallman emphasized that the Information Technology Division is committed to the professional development of its employees.

Tobola served as The Spectrum editor from 1990 to 1992 and led the development of KNDS radio beginning in 2003. He earned a bachelor's degree in 1992 and a master's degree in mass communication in 1993, both at NDSU.

Assistant soccer coach named

NDSU head soccer coach Mark Cook announced the hiring of Ben Schneweis as assistant soccer coach.

Schneweis spent the previous two seasons as NDSU's director of operations. In that role, he gained experience in making travel arrangements, editing game video, coordinating film exchange and running camps. The Bison won the Summit League tournament and advanced to the NCAA Division I tournament for the first time in program history in his first season. In 2011, the Bison won a school record 15 games and advanced to the Summit League title game.

Prior to coming to NDSU, Schneweis was an assistant coach for both the men's and women's programs at Bellarmine University in Louisville, Ky.

He also coached in the Olympic Development Program in both Kentucky and North Dakota and had two stints as an assistant boys and girls coach at Red River High School in Grand Forks, N.D.

He played one season for Brescia University in Owensboro, Ky. Schneweis holds a USSF National 'B' coaching license and earned his bachelor's degree from NDSU in 2005. He is working toward his master's degree in higher educational leadership.

Central Grasslands Research Extension Center director retires

Paul Nyren, director of the Central Grasslands Research Extension Center and adjunct faculty member in the Department of Animal Sciences, retired Feb. 29 after 36 years of service to NDSU. A retirement celebration was held March 2.

Nyren's wife, Anne, who has served as the center's operations officer since 1982, transitioned to half time in her administrative post at the end of February as well.

NDSU police officer completes FBI Hazardous Devices School



Huber

Ryan Huber, an NDSU police officer, attended the FBI Hazardous Devices School Jan. 9-Feb. 19 at the U.S. Army Ordnance Munitions and Electronics Maintenance School in Redstone Arsenal, Ala.

He received 210 hours in the Hazardous Devices Basic Course and 40 hours in the Bomb Technician Robotic Course. During the training, Huber learned the fundamentals of explosives; how to recognize, assess and render safe devices; and how to conduct post-blast investigation, decontamination and disposal.

Huber joined the University Police and Safety Office in 2008. He joined the Red River Valley Regional Bomb Squad in 2009.

Musical theatre coordinator to perform at Edinburgh Festival



Noone

Katherine Noone, NDSU Musical Theatre coordinator, will appear in the upcoming performance of Act Up's Production of Sheik and Sater's "Spring Awakening" which will open in July at The Stage at Island Park in Fargo. The show will travel to Scotland in August for the Edinburgh Festival Fringe.

"Spring Awakening" is a rock musical adaptation of the controversial 1892 German play of the same title by Frank Wedekind. It features music by Duncan Sheik and book and lyrics by Steven Sater.

Other summer activities for Noone include team teaching with Broadway star and Moorhead native Becky Gulsvig at Trollwood Performing Arts School in June. The class will be a Musical Theatre Intensive open to advanced students enrolled in the Trollwood Conservatory.

Noone currently is traveling with eight NDSU Theatre Arts students to New York and Boston to audition and attend the New England Theatre Conference. Students also will visit Broadway composer Andrew Lippa and NDSU alumnus David Boyd, who is the scenic designer for "The Jimmy Fallon Show."

Associate professor selected as costume designer



Varland

Rooth Varland, associate professor and department coordinator for NDSU Theatre, has been invited to design costumes for "The Rake's Progress" by Igor Stravinsky at The Barns at Wolf Trap National Park for the Performing Arts outside of Washington, D.C. The production is scheduled for Aug. 3, 5 and 11.

This is the sixth production Varland has worked on with director Tara Faircloth. For more information about "The Rake's Progress," visit www.wolftrap.org/Home/Find_Performances_and_Events/Performance/12Opera/rakes_progress.aspx.

Associate professor's work included in touring exhibition



Kapplinger

Kent Kapplinger, associate professor of arts and PEARS director/master printer, will have his work, "27,000 Wells," included in "Touched and Untouched Printmaker Exhibition," which will travel throughout North Dakota until the end of November.

Dates and venues include:

- Taube Museum of Art, Minot, March 1-30
- Northern Lights Art Gallery, Mayville, April 9-May 12
- Bismarck Art Gallery Association, Bismarck, July 1-31

"27,000 Wells" recently won Best of Show at the Americas 2012: Paperworks juried exhibition.

Music associate professor invited to perform



Patnode

Matthew Patnode, associate professor of music, has been invited to perform at the North American Saxophone Alliance national conference, March 15-18, at Arizona State University in Tempe. He will perform in a saxophone, percussion and piano trio with Lisa Rogers, professor of percussion at Texas Tech University in Lubbock, and Christina Eide, instructor of piano at Glendale Community College in Glendale, Ariz.

They will perform three movements from Barbara Thompson's Rhythm of the Gods: "Vision of Love," "Love Stood at my Door" and "Wisdom." Thompson is a British saxophonist and composer whose work is inspired by Greek mythology.

EVENTS

Ice Cream Social planned as staff appreciation event

Staff Senate has scheduled their annual staff appreciation Ice Cream Social for Thursday, March 15, from 3 p.m. to 4 p.m. in the Memorial Union Prairie Rose room.

Career expert to present on finding work outside academia

Paula Chambers, chief executive officer of The Versatile Ph.D. and an authority on career searches for students who have earned advanced academic degrees, is scheduled to give a presentation at NDSU on Monday, March 19, from 3 p.m. to 4 p.m. in the Memorial Union Century Theater.

Chambers will describe her own journey from pursuing a rhetoric and composition doctorate to the founding of her company in 2010, relate key facts about the current academic job market and describe specific career paths that other people who earned advanced academic degrees have successfully pursued. She also will demonstrate her website, which features non-academic career information for graduate students in all disciplines, but especially for graduate students in the humanities and social sciences.

Chambers' presentation will be followed by a panel discussion from 4 p.m. to 5:30 p.m. Members of the panel will include NDSU alumni who hold graduate degrees and work outside academia, and NDSU faculty.

Chambers earned her doctorate in rhetoric and composition from Ohio State in 2000. She planned to become an English professor, but realized mid-program that she might be more satisfied in a non-academic career. Not finding many resources to help her identify her options, she created a listserv, called WRK4US, about non-academic careers for humanities graduate students. It was the first of its kind and became an important resource, helping thousands of people during its 11-year history.

Following graduation, Chambers worked as a grant writer and fund-raising professional in the non-profit sector, while continuing to manage the listserv and giving hope to a broadening community of students and people who had completed their doctorates. In 2010, she transformed the listserv into a sustainable online business called The Versatile Ph.D., which serves 30 institutions and 13,000 individuals. Chambers runs the business from her home office in Los Angeles.

The presentation and panel discussion are sponsored by the NDSU Graduate School. They are free and open to the public.

800 Café to serve Asian-inspired meal

The 800 Café will serve a "Welcome Back from Spring Break" Asian-inspired meal on Tuesday, March 20, and Thursday, March 22, in room 312 of the Family Life Center. Seating will be from 11 a.m. to 12:15 p.m.

The meal will start with an Asian noodle salad containing fresh ginger, crunchy carrots and red pepper flakes. The entrée will feature chicken stir-fry with fresh eggplant and red and yellow bell peppers sautéed in a light basil and mint sauce along with a dish of white rice. A homemade granola pot filled with vanilla yogurt and served with fresh pineapple, honeydew melon and a chocolate dipped strawberry will be served for dessert.

Dietetics students Lilian del Rio and Jana Millner will manage the meal with the assistance of their classmates.

The full three-course meal is available for \$8, beverage included. Four-meal punch cards also are available for \$30. Payments can be made by cash or check. Parking is available in the NDSU visitor's lot. Meals are available for take-out. Walk-ins are welcome, but reservations are encouraged due to limited seating. Make reservations by contacting Rhonda Klubben at ronda.klubben@ndsu.edu or 1-7487. The class instructor is Sherri Nordstrom Stastny, assistant professor of health, nutrition and exercise sciences.

NDSU barley research and risk management featured at workshop

Barley research at NDSU and the Carrington Research Extension Center will be highlighted during a workshop scheduled for March 20 at the Carrington Research Education Center. Registration will begin at 9:30 a.m. and the program will start at 10 a.m.

A new risk management tool will be the feature presentation by Joe Christianson, Cargill Malt global risk management specialist. Other topics and speakers are:

- Barley feed update by Vern Anderson, Carrington Research Education Center animal scientist
- Disease review and management by Robert Brueggeman, NDSU barley pathologist
- Production research review on weeds, fertility and rotations by Greg Endres, Carrington Research Education Center cropping specialist
- New generation variety development in barley and small grains by Richard Horsley and Martin Hochhalter, NDSU barley breeding program
- Barley quality in malting and brewing by Alberto Jimenez-Diaz, NDSU barley and malt quality project
- Business of barley production by Steve Metzger, Carrington Research Education Center farm business management instructor and coordinator

Lunch is free, but preregistration is requested. To preregister, contact Linda Schuster at 701-652-2951 or linda.schuster@ndsu.edu or Karen Hertsgaard at 701-231-5384 or karen.hertsgaard@ndsu.edu.

Community of Respect training scheduled

The next opportunity to participate in a Community of Respect workshop is March 21, 28 and April 4 from 2 p.m. to 4 p.m. in the Memorial Union. Participants must attend all three sessions.

The workshop is a nationally recognized program adopted by Texas A&M University and modified to meet the needs of NDSU. The training combines hands-on strategies, interactive activities and discussion as it builds cultural understanding, self-discovery and respect.

The March 21 session is scheduled for the Mandan room, the second module is slated for the Hidatsa room and the April 4 workshop is planned for the Rose room.

More information is available at www.ndsu.edu/diversity/community_of_respect. Advanced registration is required; there is a maximum registration of 25. Register online by Friday, March 16, at www.ndsu.edu/diversity/community_of_respect/registration_form.

Bookstore hosts Grad Finale

The NDSU Bookstore and Herff Jones will sponsor Grad Finale on March 21-22 from 9 a.m. to 4 p.m. in the bookstore. Prizes will be available throughout each day.

Grad Finale assists graduating seniors with preparation for commencement. Students can purchase a cap and gown, diploma frame, commencement announcements and a class ring. A selection of graduation gifts also will be for sale in the NDSU Bookstore during and after Grad Finale.

The Office of Registration and Records, Customer Account Services, Career Center, Student Financial Services, Alumni Association and Graduate School also are supporting Grad Finale.

Annual Woodlands and High Plains Traditional Powwow planned

The 23rd annual Woodlands and High Plains Traditional Powwow sponsored by NDSU, Concordia College, Minnesota State University Moorhead and Minnesota State Community and Technical College is scheduled for Saturday, March 24, in the Bison Sports Arena. The theme is "Walk with Purpose."

Doors open at 11 a.m., and grand entry will be at 1 p.m. and 7 p.m. Head dancers will be Thomas Bluestone, member of Three Affiliated Tribes in North Dakota, and Kelsey Peltier, member of the Turtle Mountain tribe in North Dakota. Bluestone and Peltier are both NDSU students.

The master of ceremonies will be Mickey Hodges, member of the White Earth tribe in Minnesota, and the arena director will be Chris Peltier, member of the Turtle Mountain tribe in North Dakota. The spiritual adviser will be Clifford Canku, Sisseton-Wahpeton Sioux tribe, and the host drum will be the Buffalo River Drum Group from Fargo. The honor guard will be from the White Earth tribe in Minnesota.

Admission is free for children five and younger, \$2 for children ages 6 to 18 and \$3 for adults ages 19 to 54. Admission is free for adults 55 and older. Admission also is free for students who present a valid student ID from one of the sponsoring colleges.

Center for Writers announces workshops

The NDSU Center for Writers will offer two campuswide workshops this spring:

- "How to Use and Cite Web Resources" is scheduled for Monday, March 26, from 11 a.m. to noon in the Memorial Union Arikara room. The workshop will guide participants through two important questions faced when using Web-based resources – What do I need to know about plagiarism and copyright? How do I properly cite Web sources?
- "How to Plan, Write and Give a Presentation" is scheduled for Thursday, April 12, from 11 a.m. to noon in the Memorial Union Hidatsa room. It will provide attendees with presentation techniques, such as anticipating the audience's goals and expectations, as well as training to overcome "presentation jitters."

Space is limited and reservations are required. Additional sessions will be added as necessary to accommodate demand. To sign up, visit https://epayment.ndus.nodak.edu/C22800_ustores/web/store_main.jsp?STOREID=161&SINGLESTORE=true.

Direct questions to Karen P. Peirce at karen.peirce@ndsu.edu.

Post-traumatic stress disorder workshop scheduled

NDSU Distance and Continuing Education has scheduled a workshop titled "Law, Post-Traumatic Stress Disorder and Justice-Involved Veterans" for Tuesday, March 27, from 9 a.m. to 4 p.m. The workshop, presented by Terence Barrett, will be held in the SGC Building located at 1919 N. University Drive in Fargo.

The seminar is intended to assist mental health professionals providing services to returning combat veterans, in particular those involved in criminal charges.

Barrett will discuss what life after combat is like and issues related to transitions from combat. He will address such questions as whether Post-Traumatic Stress Disorder symptoms obstruct the veteran's ability to form viable cognitive intent to act in certain ways and whether combat veterans should be held entirely responsible for their actions upon return from a war zone.

Barrett, who earned a doctorate in psychology, served seven years as an aviation officer in the United States Marine Corps. He is a licensed psychologist in a full-time private practice in Fargo.

The one-day presentation is \$99, with lunch included. Continuing education units are available to qualified professions. For more information or to register online, go to <http://ndsu.me/dcelaw>.

Cover crop workshop scheduled

Cover crops are the focus of a workshop the NDSU Extension Service is co-sponsoring, scheduled for March 28 in Bismarck, N.D.

“Cover Crops: The Science Behind the Numbers” will be held from 9:45 a.m. to 4:30 p.m. at the Burleigh County Extension office.

Workshop topics are beef production and annual forages, the agronomic and economic value of cover crops for late-season grazing in the central and eastern Dakotas, crop response after cover crops, soil fertility and cover crops, a report on the Southwest North Dakota Soil Health Demonstration Project, challenges of growing cover crops in dryland farming systems in southwestern North Dakota, cover crop impact on corn productivity and soil health in no-till production, interseeding cover crops into corn, bio strip till at the Conservation Cropping Systems Project and an update on northwestern North Dakota cover crops.

Speakers include NDSU and South Dakota State University researchers, NDSU Extension specialists, and Natural Resources Conservation Service and Soil Conservation District representatives.

The workshop is free of charge with lunch provided. Register for the event by contacting Linda Schuster at the NDSU Carrington Research Extension Center at 701-652-2951 or linda.schuster@ndsu.edu.

Pulse USA and Agassiz Seed are sponsoring the workshop.

Blood drive scheduled

The Office of Human Resources/Payroll will sponsor a United Blood Services Staff Blood Drive on Thursday, March 29, from 1 p.m. to 4 p.m. The Bloodmobile will be parked outside the west entrance of the Memorial Union. The blood drive is open to all faculty, staff and students. Donors must show a photo ID at the time of donation.

To schedule an appointment or for more information, visit www.bloodhero.com or contact Cynthia Baumann at 1-8961.

Nursing conference held for area fourth grade students

The NDSU Student Nursing Association, Department of Nursing and North Dakota Partners in Nursing Gerontology Consortium Project are sponsoring “Adventures in Nursing at NDSU!” to educate area fourth grade students about nursing through hands-on activities. The event is scheduled for Saturday, March 31.

Students will interact with NDSU nursing students and faculty to increase interest in nursing as a career. During three sessions throughout the day, students will learn how to prevent the spread of illness, hear what nurses are listening to in stethoscopes and find out what a surgical nurse does.

For more information, contact Karla Haug, faculty adviser for the Student Nurses’ Association, at karla.haug@ndsu.edu or 1-5128.

Open house retirement event planned for Carol Tschakert

An open house retirement reception for Carol Tschakert, application developer in the Information Technology Division’s enterprise computing and infrastructure department, is scheduled for Tuesday, April 3, from 2 p.m. to 4 p.m. in the Memorial Union Prairie Rose room.

Tschakert began her 39-year career at NDSU in 1973 when she worked in the university’s computer center supporting the data processing needs of the Extension Service.

Since the start of her career, Tschakert developed numerous application programs, including an application for the collection and tracking of data for the North Dakota Pesticide Certification Program and a legislative bill tracking system for the state of North Dakota.

Throughout her years at NDSU, Tschakert also lent her expertise to the broader North Dakota University System. She served on the Higher Education Computing Network coordinators committee, and also provided training and support to staff across the state.

During the last two years of her career at NDSU, Tschakert was instrumental in providing database query training for staff at North Dakota State College of Science through a service level agreement between the two institutions.

Tschakert said that she has enjoyed working with staff from various departments across NDSU, as well as staff from other N.D. University System campuses. “My 39-year career at NDSU has been very rewarding,” she said. “I have witnessed and have been part of many changes in technology over the years.”

Tschakert saw numerous technology transitions at the university since the start of her career, including moving from keypunch cards to submitting batch jobs on a mainframe computer.

Tschakert will retire from NDSU April 4.

Staff Recognition Luncheon scheduled

The Office of Human Resources and Payroll is sponsoring the 24th annual NDSU Staff Recognition Luncheon, scheduled for Tuesday, April 10, at 11:30 a.m. in the Memorial Union Great Plains Room.

Staff retirees and employees with 5, 10, 15, 20, 25, 30, 35, 40 and 45 years of service will be recognized at the luncheon. All NDSU employees are invited to attend the luncheon in support and recognition of their colleagues.

Honorees for the luncheon will receive invitation letters. If you do not receive a letter by Monday, March 19, and this is a year for you to be recognized, email Jill Spacek at jill.spacek@ndsu.edu.

The meal cost is \$13 per person and is payable at the Office of Human Resources and Payroll through Friday, April 6. If you have special dietary needs, or request for accommodations related to a disability, contact the Office of Human Resources at 1-8961.

Winter wheat webinar set for March 22

Agronomists, winter wheat growers and persons interested in winter wheat have an opportunity to hear the latest about winter wheat production during a free webinar scheduled for Thursday, March 22, at 9 a.m.

The webinar will focus on stand evaluation, fertility management, disease management and the wheat streak mosaic virus.

To participate, log on to <http://ndivnlc.wimba.com> before the conference and run the setup wizard. Fifteen minutes before the conference, participants can log onto the same site and click "Participant Login." The room identification is NDSU Ag. Once logged in, select "NDSU Crop Calls" to join the meeting.

For more information or help with online access, contact Scott Swanson at s.swanson@ndsu.edu or 1-7086.

Continuing education credits will be available. Certified crop advisers can register for a one-credit crop management continuing education unit by including their name and certified crop adviser number when they log into the class. Crop advisers also can sign up for the credit during the class.

One webinar registrant will receive a bronze sculpture of a male deer at the end of the seminar.

The webinar is part of the Winter Cereals: Sustainability in Action initiative, which is a collaboration by Ducks Unlimited, Bayer CropScience, Winfield Solutions, NDSU and other regional universities.

For more information on the webinar, contact Blake Vander Vorst at 701-355-3500.

NDSU Graduate Research and Arts Forum scheduled

The third annual NDSU Graduate Research and Arts Forum is scheduled for Wednesday, April 11, from 10 a.m. to 1 p.m. in the Memorial Union Plains room. The NDSU Graduate Student Association hosts the event to showcase graduate student contributions to the university and beyond.

Provost Bruce Rafert will give opening remarks at 10 a.m. followed by the poster session. Refreshments will be provided throughout. Rafert will present awards at 12:30 p.m. for first, second and third place to each student and their adviser. He has sponsored \$500, \$250 and \$100 for the awards.

Guidelines and instructions for submission are available at www.ndsu.edu/gradschool/news_and_events/#c207197. Abstracts must be emailed as Microsoft Word (.doc or .docx) with applications to nimish.dharmadhikari@my.ndsu.edu or info@ndsugsa.com by March 23.

FORWARD Ally training scheduled for male faculty

The FORWARD Ally program has scheduled a training session for male faculty in the College of Agriculture, Food Systems, and Natural Resources. The training will provide strategies to help improve overall climate for women faculty at NDSU and to identify better ways to recruit and retain women faculty.

The session, hosted by the Department of Plant Sciences, is scheduled for Friday, April 13, from 11:30 a.m. to 1 p.m. in 380 Loftsgard Hall. Lunch will be provided. Registration for the training is required and is available at www.ndsu.edu/pubweb/forward2/registration/event_20120413.html.

For more information about the Ally program, contact Tom Carlson, advocate coordinator, at tom.carlson@ndsu.edu or 1-8279, or Canan Bilen-Green, FORWARD director, at canan.bilen.green@ndsu.edu or 1-7040.

Green and Golden Globe Diversity Awards scheduled

The third annual Green and Golden Globe Diversity Awards Ceremony is scheduled for Monday, April 16, in the Memorial Union Great Plains Ballroom. A social with light refreshments will begin at 3 p.m. The program and awards ceremony will follow at 3:30 p.m.

The NDSU Division of Equity, Diversity and Global Outreach created the ceremony to acknowledge the efforts of students, faculty and staff from across the university who create a welcoming, safe and inclusive environment where all people can learn and work. For more information, visit www.ndsu.edu/diversity.

North Dakota 2.0 to hold Fargo summit

The capstone event for USDA Rural Development's North Dakota 2.0 is scheduled for Tuesday, April 17, at the Radisson Hotel in Fargo. Introduced last fall, North Dakota 2.0 is an initiative focused on bringing people together to capitalize on the state's abundance of opportunities while addressing its immediate needs.

Adam Davidson and Alex Blumberg, award-winning hosts of National Public Radio's "Planet Money," are scheduled keynote speakers. Other speakers include Paul von Ebers, president and CEO of Blue Cross Blue Shield of North Dakota, and Jasper Schneider, state director of USDA Rural Development.

Attendees will participate in a discussion on the future direction of North Dakota. Using remote controls, participants will provide instant feedback on a variety of topics. Results from 12 community meetings across the state also will be announced. Afternoon sessions will concentrate on community development and enrichment; housing and future challenges; business and venture capital; and infrastructure demands.

A networking social is planned for the night before the event. All are welcome but students may attend for a reduced rate. For registration and additional information, visit www.nd20.com.

NDSU groups organize 'The Big Event' service project

NDSU's Volunteer Network, Student Government and Alumni Association are organizing an all-day volunteer program on Tuesday, April 24, called "The Big Event." The purpose is to bring together individuals from NDSU to serve the Fargo-Moorhead community as a way to say "Thank you."

Organizers say this year's goal is to provide more than 500 student volunteers to local non-profit agencies and homes to help with various projects.

Students, faculty and staff who know people who live close to NDSU who could use the help of volunteers this spring, specifically those who may otherwise be unable to accomplish around-the-house tasks, should refer them to the Volunteer Network. Job request forms are available at www.ndsubigevent.com and must be submitted by April 6 for consideration.

Shifts are two hours each from 9:30 a.m. to 11:30 a.m., 1 p.m. to 3 p.m., 3 p.m. to 5 p.m., and 5 p.m. to 7 p.m. Lunch and T-shirts will be provided to the first 500 volunteers who sign up at www.ndsubigevent.com by April 13.

For more information, contact the Volunteer Network.

Northern Crops Institute offers short course

Northern Crops Institute will offer the Advanced Grain Procurement Strategies short course May 14-18 at the Northern Crops Institute in Fargo. The course is designed for global grain buyers who want to better manage price and quality risks to gain a competitive edge in grain marketing decisions.

Lectures in basis analysis, trading strategies, price risk management strategies, quality specifications strategies, logistics management and buyer and seller relations in grain procurement will be supplemented by trading games, case studies and panel discussions.

William Wilson, University Distinguished Professor of Agribusiness and Applied Economics, and an expert in commodity futures trading, will lead the course. Course participants also will have an opportunity to interact with U.S. grain merchandisers who have years of practical experience in the international grain business.

Persons who attend the course should be actively involved in grain merchandising and be well versed in grain marketing or have a basic understanding of commodity merchandising principles. Participants also must be fluent in the English language.

The course registration fee is \$1,100, with payment in full due one week before the start of the course. With the course fee, participants will receive refreshments during scheduled breaks and a CD-ROM containing materials from lectures and laboratory demonstrations.

For more information and to register, go to www.northern-crops.com and follow the educational courses link or call 1-7736. Registration deadline is April 23.

PUBLICATIONS/PRESENTATIONS

College's faculty receive grants, publish, present

Sharon Query, assistant professor of human development and family science and 4-H youth specialist, received a \$16,065 grant from the North Dakota Governor's Prevention Advisory Council on Drugs and Alcohol to provide travel stipends and printed material to participants in the April "Power of Parents" training in Bismarck.

Carol Buchholz Holland, assistant professor of counseling; James Korcuska, associate professor of counseling; and Robert C. Nielsen, professor of counseling, presented numerous professional programs at the North Dakota Counseling Association Midwinter Conference in Bismarck. Holland presented "Applications of Solution-Focused Approach in Schools" and "ACE 101: Helpful Tips on How to Apply for the Award of Counseling Excellence." Korcuska presented "Motivational Interviewing; Preparing Clients for Change," and Nielsen presented "Stress and the Helping Profession" and "Jeopardy: Round Two Cognitive Theories." The three jointly presented "NDSU Counselor Education Program Update."

At the North Dakota Counseling Association Conference in February, Buchholz Holland was selected as president-elect of the North Dakota School Counselor Association and Korcuska was selected as president-elect of the North Dakota Association for Counselor Education and Supervision.

The NDSU Couple and Family Therapy program has been nominated for the 2012 American Association for Marriage and Family Therapy Training Award. The award honors programs for significant contributions to the advancement of the field of marriage and family therapy by encouraging and training for the next generation of marriage and family therapy researchers and practitioners. The nomination was made by Douglas Sprenkle, director of the doctoral program in couple and family therapy at Purdue University. In his nomination, Sprenkle said, "The Couple and Family Therapy program at NDSU has played a leading role in developing training models and practices that are specifically designed to enhance therapists' abilities to provide competent and affirming therapy to culturally diverse and traditionally underserved clients." Ten letters of support were included in the nomination from national leaders in the field.

Brandy Randall, associate professor of human development and family science, and Molly Secor-Turner, assistant professor of nursing, have been awarded \$7,000 by the Innovative Small Grants program of the Society for Research on Adolescents. The grant will allow them to travel to Kenya to collect data for their research, which focuses on culturally specific risk and protective factors that influence rural adolescent behaviors and outcomes in the developed and developing world.

Bryan Christensen, associate professor of health, nutrition and exercise sciences, was recertified as a Certified Strength and Conditioning Specialist through the National Strength and Conditioning Association.

The NDSU physical education and health education programs recently sent 18 undergraduate students to the Central District American Alliance for Health, Physical Education, Recreation and Dance Convention in Colorado Springs, Colo. Students attended a

variety of sessions pertaining to curriculum content, career advancement and interview strategies. Jenny Eskew, assistant professor of health, nutrition and exercise sciences, accompanied students.

Christi McGeorge and Tom Carlson, associate professors of human development and family science, and their colleague, Russell Toomey from Arizona State University, had the article, "Establishing the validity of the feminist couple therapy scale: Measuring therapists' use of feminist practices with heterosexual couples," accepted for publication in the *Journal of Couple and Relationship Therapy*.

Beth Blodgett Salafia, assistant professor of human development and family science, had an article appear in the February issue of the *Journal of Child and Family Studies*. The article, "Associations between multiple types of stress and disordered eating among girls and boys in middle school," was co-written by Jessica Lemer, who earned a master's degree in human development and family science in 2010.

Blodgett Salafia attended the Society for Research on Adolescence conference in early March where she presented research on three different studies. The first presentation is titled "Fathers' direct and indirect effects on adolescent girls' and boys' disordered eating" and is co-written by Amanda Bulat, who earned a master's degree in human development and family science in 2011. The second presentation is titled "A qualitative analysis of the perceptions of the causes of eating disorders according to individuals with eating disorders" and is co-written by Mallary Schaefer, a 2011 human development and family science master's degree graduate. The third presentation is titled "Longitudinal connections among parenting, adolescent self-disclosure, maternal knowledge and adolescent depressive symptoms," and is a collaborative effort with colleagues from the University of Notre Dame.

Emergency management faculty present at conference



Jensen

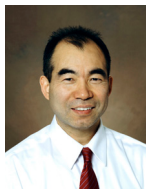
Jessica Jensen, assistant professor in the Department of Emergency Management, gave a presentation Feb. 15 at the 47th annual Governor's Homeland Security and Emergency Management Conference in St. Paul, Minn. Jensen's presentation, titled "How Big, How Bad: Measuring Return on Investment for Emergency Management Performance Grant," discussed efforts under way to develop a system that would measure return on investment for all Department of Homeland Security preparedness grants and challenges associated with designing a measurement system that would be simple, relevant and valued by jurisdictions participating in preparedness grant programs.



Klenow

Daniel J. Klenow, department head, and Dong Keun Yoon, assistant professor of emergency management, also gave a presentation at the conference. Their presentation, titled "Profiling County Tornado Vulnerability in Minnesota," reviewed tornado incidence trends and vulnerability patterns in Minnesota counties and drew implications for mitigation planning.

Pharmaceutical sciences faculty member publishes cancer research



Wu

Erxi Wu, assistant professor of pharmaceutical sciences; Kruttika Bhat, doctoral student in the Wu lab; and Fengfei Wang, research associate in pharmaceutical sciences, co-wrote the article, "SDF-1/CXCR4 signaling induces pancreatic cancer cell invasion and epithelial-mesenchymal transition in vitro through non-canonical activation of Hedgehog pathway," which will be published

by *Cancer Letters*.

According to the authors, in their previous study, they found that blockade of stromal-derived factor-1 (SDF-1)/ C-X-C chemokine receptor type 4 (CXCR4) signaling inhibits pancreatic cancer cell migration and invasion in vitro. However, the mechanism governing the downstream regulation of stromal-derived factor-1/C-X-C chemokine receptor type 4-mediated invasion remains unclear. In this current project, they report the role of stromal-derived factor-1/C-X-C chemokine receptor type 4 in pancreatic cancer and the possible mechanism of stromal-derived factor-1/C-X-C chemokine receptor type 4-mediated pancreatic cancer invasion. They show that there is a cross talk between stromal-derived factor-1/C-X-C chemokine receptor type 4 axis and non-canonical Hedgehog pathway in pancreatic cancer. Furthermore, their data demonstrate that the ligand of C-X-C chemokine receptor type 4, stromal-derived factor-1 induces C-X-C chemokine receptor type 4-positive pancreatic cancer invasion, epithelial-mesenchymal transition process and activates the non-canonical Hedgehog pathway. Moreover, they also demonstrate that the invasion of a pancreatic cancer and EMT resulting from the activation of stromal-derived factor-1/C-X-C chemokine receptor type 4 axis is effectively inhibited by Smoothed inhibitor cyclopamine and siRNA specific to Gli-1.

"Collectively, these data demonstrate that stromal-derived factor-1/C-X-C chemokine receptor type 4 modulates the non-canonical Hedgehog pathway by increasing the transcription of Smoothed in a ligand-independent manner. Taken together, stromal-derived factor-1/C-X-C chemokine receptor type 4 axis may represent a promising therapeutic target to prevent pancreatic cancer progression," Wu said.

The paper was co-written with Qingyong Ma lab at Xi'an Jiaotong University, China. "Collaborating with Ma, we together would like to find better cancer therapeutics and elucidate the mechanisms of the targeted therapy for pancreatic cancer, one of the most lethal malignancies," Wu said.

Cancer Letters is an international journal that considers full-length articles and mini reviews in the broad area of basic and translational oncology.

SHORTS AND REMINDERS

Policy Updates

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

Policy 155: Leave with Pay

NDUS policy 20 has changed to be consistent with North Dakota state employee policy regarding closure pay.

Policy 350.3: Board Regulations on Nonrenewal; Termination or Dismissal of Faculty

This change clarifies the definition of a termination of a special appointment.

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.

Custodian/#00028178

Residence Life
\$19,760+/year
Open until filled

Custodian (three positions – 4 a.m. and 5 a.m. start times)

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

Nutrition Education Assistant, FNP – Sioux County

Extension Food and Nutrition
\$25,900+/year
Open until filled

Nutrition Education Assistant, FNP – Fort Berthold

Extension Food and Nutrition
\$25,900+/year
Open until filled

Teacher Technician/#00018736

Human Development and Family Science
\$24,000+/year
Open until filled

Nursery Technician/#00020146

North Dakota Forest Service
\$28,670+/year
Open until filled

Administrative Secretary

Information Technology
\$25,000+/year
March 27

Fire Support Technician – Bismarck, N.D.

North Dakota Forest Service
\$28,670+/year, depending on experience
March 21

Research Specialist – Soil Science

Carrington Research Extension Center
Commensurate w/experience
March 16

Project Manager/#000218136

Facilities Management
Salary commensurate w/experience
March 21

Wildlife and Range Research Technician

Hettinger Research Extension Center
\$30,000+/year
Open until filled

Histology and Bioassay Laboratory Coordinator/#00027420

Animal Sciences
\$42,000+/year
March 21

Budget and Program Officer (Internal to NDSU employees only)

Research, Creative Activities and Technology Transfer
\$35,000+/year
March 21

Health Promotion Specialist/#00018539

Wellness Center
\$35,000+/year
March 28

CALENDAR

MARCH

15-31 **Memorial Union Gallery exhibit:** “No Lumps, Thank You; a Bra Anthologie”

15 Staff appreciation Ice Cream Social:

3 p.m. to 4 p.m., Memorial Union Prairie Rose room. Hosted by Staff Senate.

15 Department of Chemistry and Biochemistry Seminar:

“Excited State Reactivity of Square Planar Pt(II) Complexes: Development of Multi-Electron Photoredox Systems,” 3 p.m. Ladd Hall room 107.

19 Responding to Disclosure of Sexual Assault Training:

For Faculty, Staff and Students – noon to 12:45 p.m., Memorial Union Meadow Lark room. Space is limited, RSVP to sarah.dodd@ndsu.edu.

19 **Graduate School Presentation:** “Finding Careers Outside of Academia,” Paula Chambers, CEO of The Versatile Ph.D., 3 p.m. to 5:30 p.m., Memorial Union Century Theater

19 **Department of Plant Sciences Graduate Seminar:** “Edible Vaccines: Using Plants as Bioreactors,” 3:30 p.m., Loftsgard Hall room 114

19 **Department of Plant Sciences Graduate Seminar:** “From Tree to Lunchbox: Pre-harvest Practices to Improve the End Quality of Apple,” 4 p.m., Loftsgard Hall room 114

19 **Student Recital:** Emily Custer, recital in music composition, 7:30 p.m., Beckwith Recital Hall

20 **NDSU Bookstore Event:** Get your picture taken with the NCAA National Championship Trophy and enjoy free ice cream, 10 a.m. to 2 p.m., in the NDSU Bookstore, Memorial Union

20 **Science, Religion and Lunch Seminar:** “Ordinary and Extraordinary Deliverance from Evil: Love’s Healing Power in the Human Person,” Father Luke Meyer, noon, Memorial Union Meadow Lark room

21 **Brown Bag:** “What Not to Wear: Professional Dress Edition,” noon to 1 p.m., Memorial Union Arikara room

21 **Graduate Recital:** Mary Ermel Walker, piano, 7:30 p.m., Beckwith Recital Hall

CALENDAR

- 22 Safe Zone Level 3 Training:** Upstanders – 11 a.m., Memorial Union Room of Nations, RSVPs not required
- 22 Hinsz Lecture Series:** “Q&A with an Expert: How Does Violence Affect Our Children?” 11 a.m. to noon, Memorial Union Peace Garden room
- 22 World iView:** “Assisting a Meat Processing Business in the Republic of Georgia through the CNFA Farmer-to-Farmer Program,” noon to 1 p.m., Memorial Union Meadow Lark room.
- 23 Pride Network Monthly Meeting:** noon, contact NDSU.PrideNetwork@ndsu.edu for more information.
- 23 Plant Pathology Graduate Seminar:** “Cloning and characterization of Necrotrophic effector genes produced from *Stagonospora nodorum* blotch of wheat,” 1 p.m., Loftsgard room 114
- 23 Plant Pathology Graduate Seminar:** “Population genetic analysis and aggressiveness evaluation of *Fusarium* head blight isolates from North Dakota, USA and Jianyang, China,” 1 p.m., Loftsgard room 114
- 23 Human Development and Family Science Presentation:** “Violence and Mental Health in Everyday Life,” 3 p.m. to 4:30 p.m., Memorial Union Century Theater.
- 23 Graduate Recital:** Ashton Foreman, soprano, 7:30 p.m., Beckwith Recital Hall
- 23-24 Interdisciplinary English Studies Red River Graduate Student Conference:** NDSU, email questions to ndsu.rrgsc@ndsu.edu.
- 24 23rd Annual Woodlands and High Plains Powwow:** Grand Entries at 1 p.m. and 7 p.m., feast at 5 p.m., Bison Sports Arena. Doors open at 11 a.m.
- 25 Community Gospel Concert:** 3 p.m., Memorial Union Century Theater. Free and open to the public.
- 25 Concert Choir Home Concert:** 2 p.m., Festival Concert Hall
- 25 Student Recital:** Andrew Budke, saxophone, 5 p.m., Beckwith Recital Hall
- 25 Graduate Recital:** Kyle Norris, trumpet, 7:30 p.m., Beckwith Recital Hall
- 26 International Week:** International Expo, 10 a.m. to 2 p.m., Memorial Union Great Plains Ballroom
- 26 International Week:** Parade of Nations, 11:30 a.m., Memorial Union Great Plains Ballroom
- 26 Department of Plant Sciences Graduate Seminar:** “Can We Break Through Cereal Yield Improvement Barriers?” Ali Soltani, 3:30 p.m., Loftsgard Hall room 114
- 26-30 NDSU’s Thrifty Concept Pharmacy:** Sudro Hall room 108.
- 27 International Week:** Fulbright Appointments for Prospective Applicants, 8:30 a.m. to 10 a.m. and 1 p.m. to 4 p.m., Memorial Union Prairie room. To signup, email jennifer.kraultkremer@ndsu.edu.
- 27 International Week:** Passport Drive, 9 a.m. to 3 p.m., Memorial Union Rose room.
- 27 International Week:** Faculty and Staff: Fulbright Presentation, 10 a.m. to noon, Memorial Union Prairie room.
- 27 International Week:** LeaderQuest: A View of Leadership from Different Cultures, noon, Memorial Union Century Theater
- 27 International Week:** Learn to Dance! Salsa lessons, 7 p.m., Memorial Union Prairie Rose room
- 27 Graduate Recital:** Nicholaus Meyers, percussion, 7:30 p.m., Beckwith Recital Hall
- 28 Veteran’s Affinity Group Meeting:** Noon to 1 p.m., Thorson Maintenance blue room. Contact Sheila Watson at sheila.watson@ndsu.edu or 1-7383 for more information
- 28 Brown Bag:** “Study Abroad and Your Career Search,” noon to 1 p.m., Memorial Union Century Theater
- 28 International Week:** Movie of the Week: “Red Baron,” 7 p.m., Memorial Union Century Theater
- 28 Brass Chamber Night:** 7:30 p.m., Beckwith Recital Hall
- 29 International Week:** International Tea Festival, 10 a.m. to noon, Equity and Diversity Center
- 29 International Week:** LeaderQuest: Serving around the Globe, noon to 1 p.m., Memorial Union Century Theatre
- 29 LIVE REAL Mentor Training Session:** 4 p.m., Family Life Center Room of Nations
- 30 Plant Pathology Graduate Seminar:** “Towards Transient Expression of a Candidate Stem Rust Dominant Susceptibility Gene Utilizing the Barley Stripe Mosaic Virus,” 1 p.m., Loftsgard room 114
- 30 Plant Pathology Graduate Seminar:** “Histological characterization of wheat and barley pre-haustorial and post-haustorial resistance components to the leaf rust pathogen *Puccinia triticina*,” 1 p.m., Loftsgard room 114

MORE CAMPUS EVENTS www.ndsu.edu/eventcalendar

NEXT ISSUE Publication date: Friday, March 30 | Submissions due: March 27 at noon

SEND SUBMISSIONS TO THE EDITOR Linsey Davis | ndsu.itshappening@ndsu.edu
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