

THE REVIEW

UNIVERSITY OF NORTH DAKOTA
SCHOOL OF MEDICINE & HEALTH SCIENCES



*F*reshman medical student, Rachel Aufforth, receives congratulations from Dean H. David Wilson, M.D., at the University of North Dakota School of Medicine and Health Sciences' White Coat Ceremony. A member of the M.D. Class of '06, she is among the largest majority of women (62.5 percent) ever enrolled.

The White Coat Ceremony confirms the student's role as a professional who places the patient's needs first. Rachel is the daughter of Rolf and Vickie Aufforth of Bowbells, ND.

Science Teacher Sees Biomedical Research Up Close Through APS's "Frontiers in Physiology" Program

Mark Broden, a seventh-grade teacher at Valley Middle School in Grand Forks, worked in the lab of **Holly Brown-Borg, Ph.D.**, assistant professor of pharmacology, physiology and therapeutics, this summer as part of a program called "Frontiers in Physiology," sponsored by the American Physiological Society (APS).

He was among 18 science teachers across the country (and the first in North Dakota) to be selected for the program which is aimed at infusing new ideas and enthusiasm into science education.

He worked with Brown-Borg and other members of her research team who are studying aging using a mouse model. He also attended a week-long, APS workshop in Virginia where he learned how apply what he learned in the medical school lab to his role as a middle-school teacher whose work impacts 90-100 students a day during the school year.

The chance to participate in the program presented "a really good opportunity to stretch myself, expand myself professionally," said Broden, a 1987 UND alum who holds a bachelor's degree in education, adding that he "really connected with the research scientists," and planned to bring "that whole view of science back to the classroom..."

"Most kids have no idea where all these discoveries come from that they enjoy."

The program "is a way to get middle school and high school teachers into modern labs" with the goal of introducing physiology and the newest trends in science into those educational levels, said Brown-Borg. She hopes to visit and discuss her research in Broden's classroom in the future.



Mark Broden (right), a seventh-grade science teacher at Valley Middle School in Grand Forks, works with Holly Brown-Borg, Ph.D., in her lab in the Department of Pharmacology, Physiology and Therapeutics at the UND School of Medicine and Health Sciences, Grand Forks. He is one of 18 teachers across the country who were selected to participate in the American Physiological Society's (APS) "Frontiers in Physiology" 2002 Summer Research Fellowship program. The program pairs each teacher with an APS member who makes the teacher part of his/her research team. Teachers also learn effective educational strategies that help them translate their research experience into classroom labs.

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DEAN'S LETTER

More Than \$17 Million Newly Entrusted to Med School

Funding Presents Opportunity for Enormous Success in Research

The word "catapulted" comes to mind as I describe the effect of our recent spectacular success in attracting grant funding for research at the UND School of Medicine and Health Sciences.

With a new grant of \$10.3 million from the National Institutes of Health to fund our Center of Biomedical Research Excellence, we will be catapulted to an even higher level of excellence.

This, in addition to a \$3 million grant to build a new research building near the medical school and nearly \$4 million to fund a new PET (positron emission tomography) scanner, places the school on the cusp of a brilliant future in the area of research related to the brain.

The medical school is poised to make significant contributions to scientists' understanding of neurodegenerative diseases such as Parkinson's, Alzheimer's, ALS (Lou Gehrig's disease) and multiple sclerosis.

We wish to recognize and thank the

North Dakota congressional delegation, especially Senator Byron Dorgan, for their efforts on behalf of the UND School of Medicine and Health Sciences.

Partnering with Mayo Clinic

Another terrific "feather in our cap" is the recent agreement with the Mayo Clinic of Rochester to provide education for their employees in the clinical laboratory sciences. This marks an important advance in our ability to address pressing educational needs, even at a distance.

Congratulations to **Wayne Bruce, Ph.D.**, director of the Clinical Laboratory Science program in the Department of Pathology, Grand Forks, and his faculty and staff for their innovative work in arranging this partnership agreement.

Beautifying the "face" of the med school

We have completed construction and renovation of the new facade and front

entrance lobby of the medical school, thanks to alumni and friends who contributed to the Harwood Initiative.

Because of their gifts, totaling about \$300,000, the new east entrance of the school presents the image of a modern, up-to-date medical school (rather than the hospital it was). We are indebted to our alumni and friends for their generosity.

Expanding opportunity for medical students

After much study, the faculty of the UND medical school has voted to increase the class size by five in the medical education (M.D.) program. We look forward to admitting 65 students to the freshman class entering in August 2003.

Reasons for this change are based on the reality of medical practice today. It has been found that more physicians will be needed in the future; current trends indicate that young physicians are unwilling to make the same sacrifices as doctors did years ago. Opting for more time with their families, younger physicians decline to work the legendary long hours.

The influx of women in the physician-workforce also will have a significant impact. Studies suggest that many of them will take breaks from their practices to have children, leaving voids in the workplace that must be filled by others.

And finally, the graying of America will lead to an increasing demand for physician services. Older populations require more care.

We are pleased to be able to do our part to address the potential shortage of physicians in the United States.

H. David Wilson

H. David Wilson, M.D.

Dean



The first concrete block, one of four with the school's name, is lowered into place atop the newly renovated east entrance of the UND medical school. Renovation was funded in part by alumni contributions in honor of former Dean Theodore H. Harwood, M.D.

M.D. Class of 2006

Record Percentage of Women Enrolled in Freshman Class

This fall, the University of North Dakota (UND) School of Medicine and Health Sciences has enrolled the highest percentage of women medical students (62.5 percent) than in any freshman class in its history, according to **Judy DeMers**, associate dean for student affairs and admissions, Grand Forks.

She also notes that, overall, the class is younger and ethnically more diverse than recent classes.

A total of 56 new members of the doctor of medicine (M.D.) Class of 2006, who began their medical education in August, participated in the White Coat Ceremony and were "cloaked" in a short white coat, the traditional garment of the physician. The coat is personalized with the student's name embroidered near the pocket.

The event is designed to capture

The White Coat Ceremony encourages students to think of themselves as professionals whose primary concern is the patient.

students' attention at a critical and impressionable moment to impart the crucial importance of the doctor-patient relationship. They heard messages concerning humanism in medicine and the primacy of the needs of patients over any other considerations or pressures they may face in their careers.

The ceremony, which has been adopted by many medical schools

throughout the country, is a means of encouraging students to begin thinking of themselves as professionals, who are, above all else, care-givers, and of the crucial importance of the doctor-patient relationship.

Keynote speaker William Newman, M.D. (B.S. Med. '72), assistant dean for veterans affairs and professor of internal medicine, Fargo, presented a talk, titled "Who Are My Teachers?," to the assembly of students, their family and friends, and faculty and staff.

In addition to receiving their first white coats, students were given lapel pins inscribed with the words, "Humanism in Medicine," provided by the Arnold Gold Foundation.

They also received a book, titled "On Doctoring" and edited by Drs. John Stone and Richard Reynolds, noted authors in the medical field. The books are gifts from the Robert Wood Johnson Foundation.

The ceremony, which is becoming a tradition at the UND School of Medicine and Health Sciences, was initiated by Columbia University in 1993 as a ritual by which medical schools foster humanism in medicine and promote the concept of medical students as compassionate care-givers.

For students, it is a public acknowledgment of their professional responsibilities and their willingness to assume obligations inherent with being a physician. To that end, they recited a version of the Oath of Hippocrates, an ancient vow to uphold basic professional principles.

The ceremony concluded the students' first week of orientation at the UND School of Medicine and Health Sciences. After the ceremony, the school hosted a picnic for students and their families.

Getting started

Students begin medical school with a one-week orientation session designed



Andrew Bakke, son of Laurie and Eric Bakke, M.D. '88, of Grand Forks, smiles after he receives his new coat from Dean H. David Wilson (left) during the White Coat Ceremony for first-year medical students at the University of North Dakota School of Medicine and Health Sciences.



William Newman, M.D. (B.S. Med. '72), professor of internal medicine and assistant dean for veterans affairs, Fargo, presents his views on medical education in his talk, "Who Are My Teachers?," during the White Coat Ceremony.

to introduce them to the profession of medicine and the four-year process of undergraduate medical education. During this time, emphasis is placed on their new roles as health care professionals and expectations of them as professionals.

They became familiar with the curriculum, revised and first implemented five years ago, which relies less on lectures and more on "patient-centered learning" through small-group and independent learning. Using patient "paper" cases, faculty members act as facilitators, leading students through the process of defining and solving health problems posed by patients, a system which mirrors the day-to-day work of practicing physicians.

Their orientation activities also included meeting with facilitators who conduct the patient-centered learning

"Over the years I've had numerous (residency) directors contact me and say, 'Send me any North Dakota student you've got...' They talk about your knowledge, but mostly they talk about your professionalism, your attitude and your work ethic."

*William Newman, M.D.
Professor of Internal Medicine
Assistant Dean, Fargo Campus*

experiences and an introduction to a patient case study. Students were invited to assess their information-gathering skills, tour the medical library and meet with second-year medical students. They heard presentations on numerous topics including cultural diversity.

Students met faculty and administrators in breakfast and lunch get-togethers. Orientation sessions also focused on use of computers and other learning resources, clinical reasoning, group dynamics, financial aid and coping with stress. Upper-class students, in panel sessions, talked about the life of a medical student and spouses' concerns.

Organizers developed orientation week to give incoming freshmen a good overview of where and how their education will occur, who to contact for assistance and what to expect over the next four years.

Here are the members of the M.D. Class of 2006:

Rachel Aufforth	Jason Erpelding	Ethan Nguyen
Andrew Bakke	Thomas Fox	Alicia Norby
Jennifer Beckwith	Alicia Glynn	Katie O'Brien
Timothy Bedell	Samuel Harms	Heather Pankratz
Jeremy Beireis	Jacob Harris	Krista Pekarski
Aaron Berg	Jody Huber	Karin Lokensgard Pierce
Rebekah Berg	Lisa Jamsa	Ryan Reynolds
Kimberly Bigelow	Carrie Johnson	Ann Sackman
Leslie Bjerke	Francine Johnson	Jared Schmidt
Noelle Blue Arm	Kara Johnson	Sonali Seth
Bonnie Braun	Julie Kenien	Jon Solberg
Joni Buechler	Patrick Klempel	Daniel Starr
Alex Campbell	Diane Kraft	Nell Suby
Hope Cleland	Corey Kroetsch	Barbara Swenson
Joshua Deere	Roxanne Larson	Melissa Teigen
Emily Dietrich	Melissa Loney	Tracie Tuggle
Renae Dorrity	Alicia Martinez	Nicole Veitenheimer
Jolene Dunn	Samuel Milanovich	Michael Wiisanen
James Elder	John Miller	

From National Institutes of Health

School of Medicine and Health Sciences Receives \$10 Million For 'Center of Biomedical Research Excellence'

The University of North Dakota (UND) School of Medicine and Health Sciences has received a grant totaling \$10.3 million from the National Institutes of Health (NIH) to establish the Center of Biomedical Research Excellence (COBRE).

The largest research grant ever received by the school will be used to create this center, an NIH designation, which focuses the work of several researchers on neurodegenerative diseases such as Parkinson's and Alzheimer's.

Funding for the project will come to the school over a period of five years, according to the principal investigator,

Jody Rada, Ph.D., associate professor of anatomy and cell biology, Grand Forks, who will coordinate the grant activities. COBRE "allows us to focus our research efforts in this particular area," in this case, neuroscience.

The scientists who will be conducting the research are: **Eric Murphy, Ph.D.**, **Matthew Picklo, Ph.D.**, **James Porter, Ph.D.**, **Van Doze, Ph.D.**, and **Colin Combs, Ph.D.**, all of the Department of Pharmacology, Physiology and Therapeutics, and **Pat Carr, Ph.D.**, Department of Anatomy and Cell Biology, all of Grand Forks.

The grant will support these six researchers to establish their research

careers and become independent investigators, Rada said. "We will also use the funds to recruit four, competitive, junior-level researchers to join the center and a senior-level neuroscientist who will serve as a scientific advisor for the COBRE team and will help attract other funding to sustain the Center after this grant is completed."

Further, the grant will be invested in "the development of state-of-the-art core facilities for mass spectrometry and image analysis which will greatly aid research efforts in biomolecular chemistry and high resolution fluorescence microscopy, respectively," she said.

Core facility directors, who also will play a role in the execution of the grant, are **Michael Atkinson, Ph.D.**, and **Bryon Grove, Ph.D.**, directors of the imaging center facility, both with the Department of Anatomy and Cell Biology, and **Masaru Miyagi, Ph.D.**, director of the Mass Spectrometry Core Facility, Department of Biochemistry and Molecular Biology, all of Grand Forks.

"The funding of the COBRE proposal provides UND with the unique opportunity to make a multidisciplinary push toward one major research direction," Rada said. "The establishment of this center will make the UND School of Medicine and Health Sciences even more attractive to prospective faculty and will greatly enhance the reputation of the graduate programs in the basic sciences."

According to Dean H. David Wilson, M.D., "This is another giant step forward for the School of Medicine and Health Sciences. This major grant will further our expertise in the study of neurodegenerative diseases. Our research in neuroscience is slated to be a regional and national star in the future!"

"We wish to commend members of our congressional delegation, especially Senator Byron Dorgan for his support of the COBRE proposal," he said.



New Entrance Built with Harwood Initiative Funds

The new east entrance of the UND School of Medicine and Health Sciences will be dedicated during Homecoming in October. Renovation was made possible with gifts totaling about \$300,000 from alumni and friends to the Harwood Initiative. The remodeled lobby will feature a display about Dean Theodore Harwood's tenure and names of all donors.

Med School to Provide Clinical Lab Science Education for Mayo Clinic

The University of North Dakota (UND) School of Medicine and Health Sciences and the Mayo Clinic of Rochester, MN, have announced an agreement by which the medical school's Division of Medical Laboratory Sciences will provide educational programs for Mayo laboratory professionals.

The agreement allows for instruction of Mayo laboratory employees who wish to increase their skills and knowledge. Education in clinical laboratory sciences will be delivered through a variety of multimedia mechanisms and on-site at the Mayo Clinic.

More than 70 Mayo employees have

signed up for programs which will be offered by the UND medical school beginning this fall.

"We are very pleased to be selected by the Mayo leadership to help meet the educational needs of their laboratory personnel," said **H. David Wilson, M.D.**, dean of the UND medical school and vice president for health affairs at UND. "We hope that this will be the beginning of a long and productive association between our institutions.

"It is especially important to recognize that an unusual level of creativity and flexibility by our faculty members has made this partnership possible," he added.

According to **Wayne Bruce, Ph.D.**, director of the Division of Medical Laboratory Sciences at the UND medical school, Grand Forks, "This arrangement represents a new model in clinical laboratory science education which demonstrates how academic institutions can work with health care providers to tailor educational programs to meet specific needs."

Curtis Hanson, M.D., chair of the Department of Laboratory Medicine and Pathology at Mayo Clinic, said, "We are very excited about the educational opportunities that this program will provide our laboratory staff.

"Health care is a rapidly evolving and complex field that requires a well-prepared and educated workforce. And UND has stepped up to help us meet these challenges. We eagerly look forward to this partnership."

The goals of the partnership are to provide:

- basic entry training in a number of clinical laboratory science (CLS) categorical areas;
- an avenue for laboratory professionals who hold associate degrees to earn a bachelor of science (B.S.) degree in CLS;
- an avenue for persons with a B.S. degree in a science discipline to complete an accredited CLS program of study, and
- an opportunity for B.S.-degreed CLS personnel to complete graduate study toward a certificate in laboratory management or a master of science (M.S.) degree.

Other UND entities participating in the educational program being developed for Mayo include the Division of Continuing Education, the College of Business and Public Administration, and the Conflict Resolution Center.

There is a nationwide shortage of clinical laboratory science professionals in some areas, Bruce said. Innovative partnerships, such as the one crafted between UND and the Mayo Clinic, help to alleviate these shortages.

Interment Ceremony Honors Donors

An interment service held in September in Grand Forks honored the memory of those who donated their bodies for the benefit of medical education at the University of North Dakota School of Medicine and Health Sciences.

The UND medical school pays tribute to these donors, mainly from North Dakota and northern Minnesota, by conducting the ceremony once every three years to inter their cremated remains. Relatives of the donors are invited to attend, as are faculty, staff and students. The ceremony was officiated by Kathy Fick, campus minister at the Christus Rex Lutheran Campus Center at UND.

Speaking at the interment ceremony, **Ed Carlson, Ph.D.**, chairman and professor of anatomy and cell biology, Grand Forks, said the donors "have made a difference in the lives of many aspiring young physicians... (They) became 'silent,' but very powerful, instructors in a rigorous academic program designed to help young doctors learn the intricacies of the human body."

"After all the textbook, charts, notes and cyber-information have been considered, there can be no doubt that the state-of-the-art in learning human anatomical information is best accomplished by direct, three-dimensional observation."

For more information on the Deeded Body Program, please contact Denelle Kees, manager, at 701/777-3377.



This gravesite at Memorial Park Cemetery in Grand Forks is the final resting place for those who donated their bodies for the education of health professionals.

'Med School for the Public' Features Outstanding Neuroscience Faculty

"Exploring the Human Brain" is the focus of a six-week course offered for the first time this fall to the public by faculty of the UND School of Medicine and Health Sciences through its new "Medical School for the Public."

The course, running from Oct. 15-Nov. 19, is the first offered by the UND medical school and is patterned after "mini medical school" programs conducted by medical schools throughout the U.S. Such programs are praised by organizers as an effective means of providing the general public insight into medical education and the newest information about health issues.

A hands-on approach with preserved specimens will characterize the learning experience in the first session, titled "**Knowing Your Brain**," which will promote understanding of how the brain is studied clinically using state-of-the-art imaging techniques. Featuring faculty members **Ken Ruit, Ph.D.**, associate professor of anatomy and cell biology; **Patrick Carr, Ph.D.**, assistant professor of anatomy and cell biology, and **Gerald Smyzer, M.D.**, clinical associate professor of radiology, all of Grand Forks.

Other sessions are:

"**Brain-Behavior Relationships in the Developing Child**," outlining current research on how early biologic and environmental risks combine to affect the developing brain and associated behavior systems and how biologic and environmental risks affect children (faculty: **Kerstin Sobus, M.D. '87**, and **Larry Burd, Ph.D.**, associate professor of pediatrics, both of Grand Forks);

"**Brain Attack**," dealing with stroke, the third leading cause of mortality in the U.S., which results from the lack of oxygen to brain cells - focus will be on cause, treatment, outcomes and prevention (faculty: **Bret Haake, M.D.**, clinical professor of neuroscience, Fargo);

"**Inside a Beautiful Mind**," the study of psychiatric diseases such as schizophrenia, depression, eating

disorders and addiction - concerning how the doctor uses techniques to acquire information, makes a reliable and accurate diagnosis, and implements appropriate treatment (faculty: **James Mitchell, M.D.**, Chester Fritz Distinguished Professor and chairman of neuroscience, Fargo);

"**The Aging Brain**," an explanation of brain changes that occur as one ages and current knowledge of diseases, such as Parkinson's and Alzheimer's, that affect the brain of aging persons

(faculty: **Manuchair Ebadi, Ph.D.**, professor of neuroscience and professor of pharmacology, physiology and therapeutics, Grand Forks), and

"**Beyond the Decade of the Brain: Frontiers in the Neurosciences**," drawing attention to unprecedented research advances of the '90s, "The Decade of the Brain," as a result of basic and clinical studies in the neurosciences, and what these advances mean for basic research and medical practice in the future (faculty panel not yet finalized).

Med School Administrators Receive Awards From North Dakota Nurses Association

Roger Schauer, M.D. (B.S. Med. '69), and **Judy DeMers**, administrators with the University of North Dakota (UND) School of Medicine and Health Sciences, Grand Forks, were recognized recently by the North Dakota Nurses Association (NDNA) for their significant contributions to the profession of nursing in North Dakota.

DeMers, associate dean for student affairs and admissions, received the NDNA Hall of Fame Award which is given to a current or past professional nurse in North Dakota who has made a historically significant contribution of long-lasting importance to the practice of nursing in the state.

DeMers was the first nurse elected to the North Dakota state legislature and the only nurse to serve in the North Dakota Senate. In receiving the award, she was recognized for her contributions to nursing through her legislative work.

She earned a bachelor of science in nursing (BSN) degree from the UND College of Nursing in 1966, before pursuing advanced education in her field.

Schauer, interim chair of the Department of Family Medicine, received the NDNA Friend of Nursing Award for his contributions in supporting the profession of nursing and/or the



DeMers



Schauer

NDNA. The award was given in recognition of his collaborative efforts with faculty members in the UND College of Nursing to teach medical students to work effectively alongside nursing students.

The opportunity to work collaboratively with UND nursing faculty came about when the medical school adopted the "patient-centered" curriculum and new approaches to learning which focuses on the patient were put into place a few years ago, he said.

DeMers and Schauer accepted their plaques, representing the awards, at the NDNA annual awards banquet in September at Fargo.

Schauer, originally from Wishek, is a '69 graduate of the UND School of Medicine and Health Sciences who practiced for nearly 20 years in Hettinger prior to joining the med school.

For Senate Committee on Indian Affairs

Researchers Testify on Native American Elders' Health

Researchers with the National Resource Center on Native American Aging (NRCNAA), located at the Center for Rural Health of the University of North Dakota (UND) School of Medicine and Health Sciences, presented testimony on the status of health care for Native American elderly at a hearing called by the Senate Committee on Indian Affairs July 10 in Washington, D.C.

The researchers gave findings derived from a four-year study of elder Native Americans from 83 tribes throughout the United States. **Richard Ludtke, Ph.D.**, director of research; **Leander McDonald**, research analyst, and **Alan Allery**, NRCNAA director, presented information about prevalence of chronic diseases, their effect on functional limitations and differences in life expectancy for Native American populations. The data allow for comparison with the general U.S. elder population.

"This research distinguishes UND as the premiere institution on Native American elder health care needs," said **Mary Wakefield, Ph.D.**, director of the Center for Rural Health. "The findings are so significant they triggered the Senate committee's decision to hold the hearing. No one in the country has contributed information of this caliber and credibility."

"Our national data set contains new data which can inform policy-making at the federal, state and local levels," Wakefield said. "It will drive important changes in health care policy regarding Native American elderly, and allow the government to target policies differently based on varying needs of tribal entities."

Supported by the U.S. Department of Health and Human Services' Administration on Aging, the study has uncovered important differences between the health of Native American elders and that of the general population of elderly, as well as differences within the Indian

population, with variations related to factors such as geographic location, access to health care and socio-economic status.

"UND is leading the way in creating knowledge and a deeper understanding of the issues affecting health care for Native American elderly," said **Dean H. David Wilson, M.D.**, of the UND medical school. **"Ultimately, this research will help tribal leaders in planning for long-term care and coming up with new, innovative solutions for providing care for aging Native Americans."**

"We are well on our way to becoming a repository for data on this subject," Wakefield said. "Tribal leaders, and state and federal policy-makers can use this information to plan, and develop local infrastructure to meet the long-term care needs of Native American communities."

"The study reveals that Native American elderly have higher rates of chronic disease such as diabetes, hypertension and congestive heart

failure when compared with the general population, and these chronic diseases are highly varied between regional areas," said McDonald.

"The results of the project not only provide us with new information about Native elders," said Ludtke, but also gives each tribe data they can use to help guide them in developing long-term care infrastructure for their communities."

"In the past, the federal government has selected the target of research," said Allery. In this project, "the tribes agreed to participate - the tribal government is the driving force. Participation means they have good information for planning. As a result, tribes are able to design culturally appropriate infrastructure to meet local needs."

According to McDonald, "Numerous studies have been conducted on reservations but the results are rarely returned to the tribes. Our research is different; we help the tribes to produce their own data for use in their communities. In this project, the data belongs to the tribe."



Testifying to the U.S. Senate Committee on Indian Affairs on the health status of Native American elders are (from left): Leander McDonald, Richard Ludtke, Ph.D., and (seated behind them) Alan Allery, all with the National Resource Center on Native American Aging at the Center for Rural Health, UND School of Medicine and Health Sciences.

Wakefield Named to Head National Advisory Council for Health Care

Mary Wakefield, Ph.D., director of the Center for Rural Health at the University of North Dakota School of Medicine and Health Sciences, Grand Forks, has been appointed to serve as chairperson of the National Advisory Council for Healthcare Research and Quality.

The 17-member group is an advisory council for the U.S. Department of Health and Human Services'

Agency for Healthcare Research and Quality (AHRQ). It is responsible for advising the Secretary of Health and Human Services Tommy Thompson and the director of the Agency on Agency Activities on issues related to the quality, cost and outcomes of and access to health care services.

Wakefield is in her second year of a three-year appointment to the council.

Also co-chairs Summit on Health Professions Education

She was also chosen to serve as co-chair of the Institute of Medicine's Committee on the Health Professions Education Summit, meeting in June at Washington, D.C.



Wakefield

The summit drew national leaders in medical, nursing, pharmacy and allied health education; licensure, credentialing and practice regulation, as well as the areas of health policy and quality.

The purpose of the meeting was to convene experts in health professions education to discuss and develop strategies for restructuring health professions education to advance quality and better prepare health care professionals to practice in the 21st-century health system.

Participants also assessed the implications of the changing health system for provider credentialing and licensing programs, and for the funding and sponsorship of education programs. Focusing on five major themes - patient-centered care, interdisciplinary teams, informatics, evidence-based care, and quality improvement - they helped create strategies for the future of health professions education.

The national summit stemmed from a report, "Crossing the Quality Chasm," by the Institute of Medicine, which recommended that in order to make substantial improvements in health care quality, changes must occur in the way health professionals are prepared for practice, how they are deployed, and how they are held accountable.

Associate Dean for Academic Affairs and Education

The University of North Dakota School of Medicine and Health Sciences is seeking a nationally recognized, highly creative leader with appropriate and relevant administrative experience and a strong background in medical education. This individual must hold the Ph.D. and/or M.D. degree or equivalent in an appropriate area related to academic affairs and education.

The Associate Dean for Academic Affairs and Education should be:

- Knowledgeable about and experienced in medical education, allied health education, and graduate education.
- A scholar in medical education, educational research and inquiry and knowledgeable about current issues under discussion nationally.
- Experienced in the process of appointments, promotion and tenure in an academic setting.
- An innovative leader who can relate to faculty and promote their professional development.
- Highly skillful in communication with excellent interpersonal skills.

This individual will play a key leadership role, reporting directly to the Dean and working with other administrators and faculty within the School of Medicine and Health Sciences, the University and with the larger community.

Responsibilities of the position will include:

1. Academic Affairs

- Compile and manage necessary academic data and records
- Oversee the appointment, promotion, and tenure processes
- Oversee the Faculty Affairs functions of the School
- Interact with other elements of the Medical School, University, and the larger academic community

2. Education

- Oversee the Office of Medical Education
- Develop, implement, evaluate, and revise quality education programs for medical, allied health, and graduate students
- Develop and maintain an ongoing program of continuing medical education
- Interact with other elements of the medical school, University and the larger academic community

3. Faculty Development

- Assess the educational/instructional needs of the faculty
- Provide an appropriate, ongoing program to assist faculty in meeting and improving the performance of their educational/instructional responsibilities
- Serve as a mentor to faculty



Speaking to service clubs and other organizations, Dean H. David Wilson informs leaders in North Dakota about recent advances at the UND School of Medicine and Health Sciences. Here, he visits with Terry Hoff, president of Trinity Medical Center in Minot, after an address he gave recently to the Minot Rotary Club. He also spoke this fall to a group of Williston leaders.

Lindquist-Mala Elected President of National Indian Women's Health Resource Center

Cynthia Lindquist-Mala, director of the Division of Indian Health Studies in the Department of Community Medicine at the University of North Dakota (UND) School of Medicine and Health Sciences, Grand Forks, has been elected president of the National Indian Women's Health Resource Center (NIWHRC).

The NIWHRC, a non-profit organization, helps American Indian and Alaska Native women achieve optimal health and wellness for themselves, their families and their communities. It is a network that promotes advocacy, education and policy development.

The group was organized in 1994 by the director of the federal Indian Health Service, which is charged with providing health care to America's first citizens, to advise the agency on the health needs of Indian women. Membership includes women and men from across the country representing various disciplines and age groups with a common goal of improving the health

status of Native women.

Current projects include an HIV/AIDS survey in concert with the Association of American Indian Physicians (AAIP), a breast and cervical cancer awareness program, and a community women mobilization project.

Lindquist-Mala, a member of the Spirit Lake Nation of Fort Totten, ND, has been a member of NIWHRC since it was established. She holds a master's degree in public administration, with an emphasis on Indian health systems, from UND and is completing a doctoral degree in educational leadership here.



Lindquist-Mala

Primary Care Most Popular Among MD Grads

Primary care again accounts for the residency choice of most of the M.D. graduates of the UND School of Medicine and Health Sciences, according to **Judy DeMers**, associate dean for student affairs and admissions, Grand Forks. Fifty-three graduates comprise the M.D. Class of 2002.

More than 43 percent of the members of the M.D. Class of '02 chose the medical fields of family medicine, general internal medicine and general pediatrics. If obstetrics-gynecology is added, that figure rises to 56.6 percent.

Members of the M.D. Class of '02 have begun residency training in 17 states according to DeMers, including: North Dakota (16), Minnesota (7); Wisconsin (5), Michigan (4), California (3), Iowa (3), Illinois (2) Nebraska (2), Pennsylvania (2) and Texas (2). One student has gone to each of the following states: Delaware, Florida, Kansas, Missouri, North Carolina, Ohio and Oregon.

Here is a breakdown of specialties the '02 graduates are pursuing in their residency programs:

Family medicine	12	(22.6%)
Obstetrics-gynecology	7	(13.2%)
Internal medicine	6	(11.3%)
General surgery	6	(11.3%)
Pediatrics	5	(9.4%)
Emergency medicine	4	(7.5%)
Psychiatry	3	(5.7%)
Anesthesiology	2	(3.8%)
Neurology	2	(3.8%)
Radiology	2	(3.8%)
Dermatology	1	(1.9%)
Medicine/Psychiatry	1	(1.9%)
Orthopedic Surgery	1	(1.9%)
Urology	1	(1.9%)

ALUMNI

'67 B.S. Med. Grad

Everson Selected to Receive Sioux Award at Homecoming

Lloyd Everson, M.D. (B.S. Med. '67), The Woodlands, TX, was presented the Sioux Award, the highest honor bestowed by the UND Alumni Association, at a banquet set for Oct. 18, during Homecoming activities.

The board-certified medical oncologist is vice chairman and a member of the board of directors of US Oncology Inc.

He has served on the National Cancer Institute's Board of Scientific Counselors which consists of authorities in the fields of cancer prevention, detection, treatment and education. It provides advice and review of the progress of programs in cancer research and treatment.

He is a former chairman of the oncology-



*Lloyd Everson, M.D.
(B.S. Med. '67)*

hematology department at the then-Fargo Clinic (now MeritCare Clinic) and head of the division of oncology for the Department of Internal Medicine at the UND School of Medicine and Health Sciences.

A native of South Bend, IN, he grew up in Grafton, ND, and attended UND where he completed a bachelor of science degree in chemistry in 1965 before enrolling in UND's medical school.

After completing the B.S. Med. degree at the UND School of Medicine and Health Sciences in 1967, he went on to earn his medical degree at Harvard University.

He and his wife, Jacquelyn, have three children.

'84 Alumnus Helps to Develop First Family Medicine Residency Program in Kenya

Bruce Dahlman, M.D. (Grand Forks Family Medicine Residency Program '84), is medical director and director of medical education and research at Kijabe Hospital in Kijabe, Kenya.

After completing his family medicine training in Grand Forks, he practiced in Grand Marais, MN, until 1992 when he moved to Kijabe to work in a 200-bed district hospital sponsored by the Africa Inland Church.

"We're in the heart of the HIV/AIDS epidemic and have many medical challenges to attend to each day," he wrote in a recent message to the UND medical school.

In 1995 he and his wife moved to Duluth, MN, where she pursued a master's degree in nursing education. He served as an assistant administrator at the family practice residency there and later joined the faculty at the University of Minnesota-Duluth School of Medicine to assist in developing an integrated medical course as part of a curriculum reform effort.

"We... returned to Kijabe one-and-a-half years ago to assist Moi University Faculty of Medicine, Eldoret, Kenya, and three other hospitals to develop this country's first-ever family medicine residency," he says. "Eighty percent of the medical school graduates do not go on to any post-graduate training and 80 percent of the population lives in rural areas where 20 percent of the doctors are located.

"Rural health issues are big here!"



Bruce Dahlman, M.D., a graduate of the UND Family Practice Center in Grand Forks, provides medical care to patients at the Kijabe Hospital in Kijabe, Kenya. He has assisted in developing the first family medicine residency program in a country where 80 percent of the people (but only 20 percent of the doctors) live in rural areas.

Alumni Notes

'77

Joel Johnson, M.D. '77, is an emergency room physician with Altru Health Systems in Grand Forks.

'86 M.D. Grad

Giedd Featured on PBS Frontline Series on Brain and Behavior

Jay Giedd, M.D. '86, a neuroscientist with the National Institute of Mental Health (NIMH), Bethesda, MD, was featured in a five-part series on the brain and brain-wave studies televised recently by PBS. The "Frontline" series conveyed the newest insights based on research into the human brain from babyhood to old age.

He is chief of brain imaging at the Child Psychiatry Branch of NIMH where he conducts research on the biological basis of cognitive, emotional and behavioral disorders. He is also the federal chair for the National Children's Study Workgroup on Development and Behavior, an initiative with a budget of \$4 billion over 20 years.

Giedd, who was interviewed for segments on the teenage and adult brain, has led research that shows for the first time that there is a wave of growth and change in the adolescent brain, according to the PBS web site. He believes that what teens do during their adolescent years – whether it's playing sports or playing video games – can affect how their brains develop.

Despite all the new scientific research, 'Inside the Teenage Brain' suggests that there is a consensus among experts that the most beneficial thing for teenagers is good relationships with their parents. Even Giedd wonders about the kinds of lessons parents can draw from his science.

"The more technical and more advanced the science becomes, often the more it leads us back to some very basic tenets..." he said. "With all the science and with all the advances, the best advice we can give are things that our grandmother could have told us generations ago: to spend loving, quality time with our children."



During a recent visit to Grand Forks, Jay Giedd, M.D. '86, spoke at Altru hospital (above) and presented a Dean's Hour address titled, "Child Psychiatry: New Views from Brain Imaging" at the UND medical school. The Bismarck native, who is with the Child Psychiatry Branch of the National Institute of Mental Health in Bethesda, MD, conducts research on the biological basis of cognitive, emotional and behavioral disorders.

After earning the M.D. degree at the UND School of Medicine and Health Sciences, Giedd went on for residency training in psychiatry at the Menninger Foundation in Topeka, KS. He went on to pursue a fellowship at Duke University.

He and his wife, also a child psychiatrist, have four children and reside in Potomac, MD.

Alumni Notes

(continued)

'82

Mark Ebertz, M.D. '82, practices dermatology at Mid Dakota Clinic PrimeCare in Bismarck.

A native of Jamestown, he took one year of training through the UND School of Medicine and Health Sciences' internal medicine program in Fargo where he received the Intern of the Year Award. He went on to complete residency and fellowship training at the Oregon Health Sciences University in Portland.

Board certified in dermatology, he is a clinical associate professor of internal medicine at the UND School of Medicine and Health Sciences.

He is a member of the American Academy of Dermatology, the Alpha Omega Alpha honorary medical society, North Dakota Medical Association and the North Dakota Dermatological Association.

'96

Tom Kaspari, M.D. '96, is a family physician with the Medcenter One Beulah (ND) Clinic.

He completed family medicine residency training at the UND School of Medicine and Health Sciences' program in Minot in 1999.

He serves as a clinical assistant professor of family medicine for the UND School of Medicine and Health Sciences.

'98

Susan Zola, M.D. '98, and David Cullinan were married Sept. 29 in Warsaw, ND.

Zola, a graduate of the UND's nursing and medical schools, practices emergency medicine at Luther Midelfort-Mayo Health Systems in Eau Claire, WI.

Cullinan is a flight nurse with Mayo Medical Transport in Eau Claire.

Opportunities

This special feature offers information for physicians and other health care professionals interested in practice opportunities in North Dakota. For more information about these listings or loan repayment programs, please contact **Mary Amundson, M.A.**, call 701-777-4018 or e-mail at mamundsn@medicine.nodak.edu

ABERDEEN (SD) AREA INDIAN HEALTH SERVICE

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800-693-9185
vina.bohling@ihsabr.ihs.gov

Belcourt: General surgery, family practice, obstetrics, anesthesiology

Fort Totten: Family practice

BEULAH

Missouri Slope Medical Arts

Pam Fitzgerald, Manager
701-873-4242
pfitzgeral@primecare.org
Annette Schilling, Recruiter
701-530-7172

aschilling@primecare.org
Family practice

BOTTINEAU

St. Andrew's Health Center

Dave Peyok, Administrator
701-228-2255
sahc@utma.com

Family practice, internal medicine, registered nurse, licensed practical nurse

CARRINGTON/FOSTER COUNTY MEDICAL CENTER

Mariann Doeling RN VPNS, Clinic Director
701-652-3141
mariandoeling@hotmail.com
General surgeon, obstetrics

CAVALIER

Pembina County Memorial Hospital

Les Wietstock, Administrator
701-265-8461
les.wietstock@cavalierhospital.com
General surgeon, registered nurse, licensed practical nurse

COOPERSTOWN

Cooperstown Medical Center

Dan Swenson, Administrator
701-797-2221
coopermc@mlgc.com
Family practice, registered nurse, licensed practical nurse

DEVILSLAKE

Altru Clinic - Devils Lake

Joel Rotvold, Manager Branch Operations
701-665-5227
jrotvold@altru.org
Family practice, family nurse practitioner, physician assistant

DICKINSON

Dickinson Clinic

Rod Mitzel, Clinic Administrator
701-225-5183
rmitzel@mohs.org
Internal medicine and obstetrics/gynecology

JAMESTOWN

Dakota Clinic

Dick Reis, Physician Recruiter
1-800-882-7310
dreis@dakcl.com
Family practice with obstetrics

LANGDON

Cavalier County Memorial Hospital

Stuart Schneider, Administrator
701-256-6100
ccmh@utma.com
Family practice, nurse practitioner, registered nurse, licensed practical nurse

NORTHWOOD

Altru Clinic - Northwood

Wayne Larson
wlarson@altru.org
Family practice

OAKES

Southeast Medical Center

Theresa (Terri) Kelly, Administrator
701-742-3267
terri@sevotech.org
Family practice or internal medicine

ROLLA

Rolla Clinic

June Banse, Administrator
701-477-3111
rclinic@utma.com
Family practice, family nurse practitioner

Presentation Medical Center

Kimber Wraalstad
kimberw@utma.com
701-477-3161
Registered nurse and radiologic technologist

RUGBY

Johnson Clinic, PC

Carol Schwan, Administrator
701-776-5235
cls@stellarnet.com
Internal medicine and family practice

TIOGA

Tioga Medical Center

Lowell Herfindahl, Chief Executive Officer
701-664-3305
lowell@nccray.net
Family practice, internal medicine

WILLISTON

Mercy Medical Center

Scott Duke
701-774-7400
scottduke@chi-midwest.org
Anesthesiology, general surgery, psychiatry, obstetrics/gynecology, radiology, orthopedic surgery

WISHEK

Wishek Community Hospital and Clinics
C. Gary Kopp, Administrator
701-452-2326
wchcbek@bektel.com
Family practice, internal medicine, registered nurse, licensed practical nurse, x-ray technician

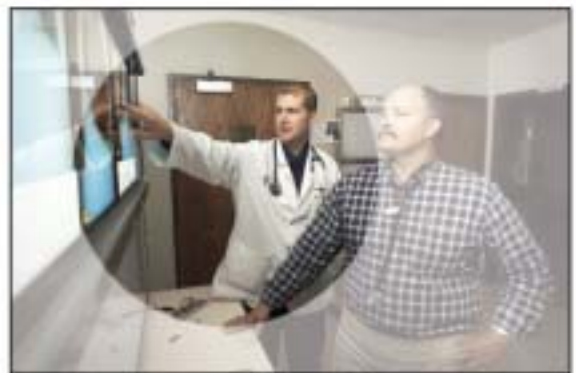
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