Dear Alumni and Friends,

Watching the web cast on the *Future of the Nursing: Leading Change, Advancing Health*, I felt a deep sense of gratitude. In the report, the Institute of Medicine (IOM) and the Robert Wood Johnson Foundation recommend that nurses work to the full extent of their education, be full partners with physicians and other health care professionals in redesigning U.S. health care, commit to a lifelong career of learning, and that attention be paid to assuring the nursing workforce is sufficient in size and preparation to meet the needs of society.

After rigorously culling the evidence regarding outcomes of care delivered by registered nurses and advanced practice nurses, the panel rediscovered in 2010 what Florence Nightingale knew nearly a century ago: Nursing care is essential to making health care safe, accessible, effective, affordable and patient-centered. The IOM acknowledged and, most importantly, publicly unleashed the potential of nurses, our nation’s largest and most trusted health profession, to make a profound and lasting impact on the health of all.

The UNC School of Nursing is gearing up to “live into” our desired future. In late October, close to 50 SON faculty members gathered to celebrate the IOM report and appraise the readiness of our school and state to accomplish the goals set forth in the report. Addressing the IOM recommendation that nurses be allowed to practice to the full extent of their education, we have turned to Associate Professor Dr. Debra Barksdale and Clinical Associate Professor Tom Bush to lead us in discussion of the challenges nurse practitioners face in N.C. and across the country.

Supporting Lifelong Learning

A few years ago my son hiked from Mexico to Canada. He came back with tales of those who hiked the Pacific Crest Trail in segments over a lifetime and others who hiked it straight through. I have oftentimes thought of the journeys of those who hike from the southern- to northern-most parts of our country as wonderful metaphors for the lifelong learning journeys a nurse might take.

For example, our profession is witnessing a determined cadre of students who enter nursing (oftentimes as a second career) with a singular determination to achieve the doctoral degree for practice (DNP) or research (PhD). They may go straight from a BSN to a doctoral degree. Another group of learners are like the hikers who take a lifetime to get to that northern most point — during their career they fit in years of practice, devote time to the needs of their families, and find pockets of time to further their education. There are others who upon completion of their singular journey, the BSN, realize they have reached their destination. Of course, there are many other journeys in the lifelong learning of a nurse.

Health care reform calls on the nursing profession to enhance education, broaden practice and increase the size, breadth and quality of the nursing workforce. At Carolina, we are committed to working towards flexibility and excellence as we support nurses in hiking through their academic careers, and we are enthusiastic about leading the way to achieve health care that is accessible, impactful and compassionate for generations to come.

Sincerely,

Kristen M. Swanson, RN, PhD, FAAN
Dean and Alumni Distinguished Professor
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TECHNOLOGY UPGRADES EXPAND SON’S REACH

The UNC Chapel Hill School of Nursing can now more easily collaborate with other schools or provide teaching to students outside of Chapel Hill thanks to sophisticated distance learning equipment installed in the Dr. Frances Hill Fox Auditorium.

The 163-seat auditorium has all new projectors, speakers, and audio and video equipment. The upgrades include rear-pointing projectors that allow the Chapel Hill instructor to interact with learners at the remote site. Distance learning students, in turn, will be able to see their instructor and Chapel Hill classmates via three cameras: two aimed at the audience and one at the instructor. When Chapel Hill students ask their professor a question, a microphone on the back of the nearest auditorium seat is activated and triggers a camera to pan in on the student speaking.

Janet Blue, director of information and instructional technologies at the SON, and Scott Berrier, classroom technology and teaching support technician, started on the project last spring and had the auditorium ready for classes at the beginning of the fall semester. Lisa Miller, assistant dean for administrative services, Dr. Margaret Miller, assistant dean for operations and strategic initiatives, and Sam Deal, facility maintenance supervisor, were also involved in the project.

Berrier explains that a dedicated system pushes all the video and audio to the distant site. The sites are connected in a manner similar to the way a telephone is dialed. From a control room a technician can monitor, make adjustments to, and record the multiple camera feeds, audio and PowerPoint slides or other instructional material that are fed to the distance site.

“The distance learning technology added to the Dr. Frances Hill Fox Auditorium will be very useful as the SON explores partnerships with other schools. It will allow us to meet the demand for educating more NC nurses in their own communities,” said Dean Kristen Swanson.
NEWS BRIEFS

BSN Student Receives Scholarship from The Great 100
Amy Davenport (pictured) was chosen by the UNC Chapel Hill SON’s faculty to receive a scholarship from The Great 100, Inc. nursing excellence organization. She is set to graduate in December 2010 from the SON and also has a Masters of Public Health from UNC Chapel Hill. The 2010–2011 scholarship recipients and this year’s The Great 100 Award recipients were honored at a black-tie Gala at the Greensboro Coliseum Complex on Sept. 18. The Great 100, Inc. is a grassroots peer recognition organization honoring the nursing profession in North Carolina. Read about Davenport’s summer externship experience on page 7.

SON Men Participate in National AAMN Conference
A dozen men from the SON participated in the National American Assembly for Men in Nursing (AAMN) conference held at Duke University on Sept. 24–25. Students, including BSN students Wesley Scercy and Stephen Scott (pictured), staffed a tabletop exhibit showcasing the SON. Students’ attendance at the conference was supported through gifts to the SON Annual Fund (a gift account that enables Dean Swanson to fund students and faculty to attend and present at professional conferences). Students and faculty attended a day of talks and round-table discussions that included topics such as barriers for men in nursing education and practice, what it takes to keep men in a nursing program, diabetes outcomes in primary care, and college men’s health issues.

Celebrating Diversity at the DNA Level
This year’s Nursing in the Genomic Era conference took place on Oct. 28 with the theme of Celebrating Diversity at the DNA Level. Associate Professor Dr. Marcia Van Riper organized the conference, which included a poster session of Family and Genetics Projects completed by UNC students taking two genomic courses (N382 Family-Centered Genomic Health Care and N781 Genomics and Society) offered by the SON. In addition, Alpha-1 Foundation President and CEO John Walsh talked about living with and the importance of screening for Alpha-1 Antitrypsin Deficiency — a genetic condition that can cause lung and liver disease.

The conference also included a panel of individuals that relayed their experiences related to genetic conditions and answered audience questions. The panel consisted of Olufunke Moses, a gifted writer, poet and speaker who grew up with sickle cell disease; Doug Ornoff, a medical student who happens to have cystic fibrosis; and Lauren Holder, a talented young woman who has written a book concerning the experience of living with a positive gene mutation for Huntington’s disease. Funding for the conference came from the Barbara A. Senich Genomics Innovation Fund in the School of Nursing.

Save the Date: Ethnic Minority Scholar Visits SON in February
The UNC Chapel Hill School of Nursing will host Dr. Mary Lou de Leon Siantz, professor and assistant dean of diversity and cultural affairs at the University of Pennsylvania School of Nursing, as the 2011 Ethnic Minority Visiting Scholar. Dr. de Leon Siantz will present several lectures on Feb. 21 and 22. Her research has focused on migrant health, families, depression and creating an environment that that creates change in diversity and cultural competence. Contact SON Assistant Professor Dr. Diane Berry at dberry@email.unc.edu for more information or check online at http://nursing.unc.edu.

Gerontological Nurses Week
The SON recognized Gerontological Nurses Week on Oct. 25–28 with several presentations. Dr. Carla Gene Rapp, a nurse scientist at the Center for Evidence-based Nursing Care, Presbyterian Healthcare/Novant Health in Charlotte, N.C., presented on the behavioral symptoms of dementia and how those symptoms escalate and are perceived by staff members. SON Assistant Professor Dr. Anna Beeber talked about care transitions and the realities of community-based long-term care, and SON doctoral student Ashley Leak gave the presentation: Transitions of Care for Cancer Survivors through The Cancer Continuum (Diagnosis through End of Life Care). Leak is the John A. Hartford Building Academic Geriatric Nursing Capacity Scholar for 2009–2011, recently received the Gordon H. DeFriese Career Development in Aging Research Award for doctoral students, and was selected as a member of the ANCC Content Expert Panel for Gerontological Nurses.

Carolina Nursing
Dr. Anna Song Beeber is the recipient of the Gordon H. DeFriese Career Development in Aging Research Award. This funding enables her to improve the quality of care for older adults with dementia and to work closely with the UNC Institute on Aging.

Tom Bush is the 2010 North Carolina recipient of The State Awards for Nurse Practitioner Excellence, which recognizes an NP in each state who demonstrates excellence in practice, research, NP education or community affairs.

Dr. Barbara Waag Carlson received the Southern Nursing Research Society Aging/Gerontology Research Interest Group’s Excellence in Geriatric Nursing Research Mid-Career Award.

Dr. Linda Cronenwett and Dr. Gwen Sherwood won the Laurel Archer Copp Literary award for a quality and safety article they published recently.

Governor Beverly Perdue has appointed Dr. Bev Foster to the Governor’s Task Force for Healthy Carolinians. Her term will extend from 2010 to December 2013.

Dr. Elaine Harwood completed the Doctor of Nursing Practice (DNP) program at Vanderbilt University School of Nursing. She is part of Vanderbilt’s first DNP graduating class and the first DNP graduate on the SON faculty.

The Executive Committee of the American Nurses Credentialing Center Board of Directors has appointed Dr. Donna Havens to serve as the academic member of the National Commission on the Magnet Recognition Program. She has also been selected as a director on the American Organization of Nurse Executives (AONE) Foundation, a new foundation with a mission to support the research and educational priorities of the organization.

Dr. Bonnie Mowinski Jennings was named to the National Priorities Partnership (NPP) Evaluation Advisory Panel. The panel will guide the evaluation of the NPP, which was designed to address the major national health care challenges of eliminating harm, eradicating disparities, reducing disease burden and removing waste.

Dr. Cheryl Jones was selected by UNC Hospitals (UNC-H) nursing administrators as a Faculty Program Research Consultant. She will collaborate with the UNC-H to identify needed resources to support clinical nursing research. She will serve as the liaison between the UNC-H nursing research program and the SON.

Jane Kaufman received the 2010 Faculty Excellence Award for her expertise in teaching, mentoring and course coordination.

The Interdisciplinary Research Group on Nursing Issues awarded its Research Mentorship Award to Dr. Barbara Mark.

Dr. Pamela Johnson Rowsey was selected as a 2010–2011 Academic Leadership Fellow at the Institute for the Arts and Humanities.

Dr. Victoria Soltis-Jarrett has been appointed to the North Carolina State Board of Nursing Advanced Practice Registered Nurse (APRN) Advisory Committee. She is also president-elect of the International Society for Psychiatric-Mental Health Nursing.

Dr. Mi-Kyung Song was promoted to Associate Professor with tenure. Her research is on interventions to improve end-of-life and palliative care for patients with serious chronic illness.

Dr. Diane Berry received funding from the John Rex Foundation and the NC Translational and Clinical Sciences (TraCs) Institute for a study on reducing the risk of chronic disease through a group-based weight loss program for postpartum mothers.

Somanetics Inc. awarded Dr. Barbara Waag Carlson funding for a pilot study entitled, “Patterns of Regional Cerebral Oxyhemoglobin Saturation (rcSO2) in Elders during Sleep and their Relationship to Indicators of Neurovascular Function in Elders.”

Dr. Jill Hamilton was funded by Duke University Center of Spirituality, Theology, and Health to conduct “An evaluation
Carolina Nursing

NEW FACULTY

SARA HUBBELL
CLINICAL INSTRUCTOR

Sara Hubbell is a new clinical instructor for undergraduate and graduate nurse practitioner students. She is a family nurse practitioner and was the manager of operations for Minute Clinic Diagnostics in the Greensboro and Raleigh/Durham markets before joining the SON. Hubbell continues to practice as an NP on a per diem basis at a local urgent care facility. She received her MSN and BSN from the UNC Chapel Hill School of Nursing and has published and presented on the topic of nurse practitioners and spiritual care.

DR. SHAWN KNEIPP
ASSOCIATE PROFESSOR

Dr. Shawn Kneipp joined the SON’s health care environments division as a tenured associate professor. Dr. Kneipp has studied women’s experiences in the welfare system, explored how policy impacts women’s well being, and tested community-based interventions to support women’s health while on welfare. She received her PhD in Nursing Science, specializing in Women’s Health and Public Policy, at the University of Washington. She was a tenured associate professor at the University of Florida in Gainesville and has been involved in health disparities research for fifteen years, receiving numerous NIH grants.

DR. JENNIFER LEEMAN
ASSISTANT PROFESSOR

Dr. Jennifer Leeman was appointed to a tenure track assistant professor position in the health care environments division after being in a research track faculty position since 1998. Her research guides clinicians and public health practitioners in identifying evidence-based approaches to promoting health and preventing and managing chronic conditions, with a particular focus on obesity and diabetes. A UNC K12 Mentored Career Development Program in Comparative Effectiveness Research will provide her training, research, and salary support until 2013. The funding will allow her to develop a career in comparative effectiveness research with a focus on dissemination and implementation.

DR. JIA-RONG WU
ASSISTANT PROFESSOR

Dr. Jia-Rong Wu joined the adult and geriatric health division as a tenure track assistant professor. Her research focuses on adherence to drug therapies in adult cardiac patients, strategies to monitor adherence, and the impact of lapses in adherence on cardiac outcomes. Dr. Wu spent six years at the University of Kentucky School of Nursing as a doctoral student and researcher. At the SON she is building a collaborative team to launch another intervention study that will help seniors improve their cardiovascular health.

The NC Translational and Clinical Sciences (TraCS) Institute awarded $2,000 to Dr. Coretta Jenerette for a pilot study. She will survey UNC Comprehensive Sickle Cell Program patients to determine if they use or would considering using complementary and alternative medicine.

Dr. Deborah Mayer’s research proposal “Evaluation Preferences for Survivorship Care Plans,” was funded by the American Cancer Society. She will explore preferences regarding the content, format, and delivery mode of treatment summary care plans. She was also funded by the CDC to develop, implement, and evaluate the Journey Forward Survivorship Care Plans in a prospective cohort of 120 stage I-III colon cancer survivors at UNC.

Dr. Mary Lynn Piven was awarded $216,791.00 from the Health Resources and Services Administration (HRSA) to conduct “Healthy IDEAS Project Chatham-Carolina (HIPCC): Access to Quality Mental Health Services for Rural, Underserved Community Dwelling Older Adults.” The project will form an academic-community partnership that will implement an evidence-based depression detection and management program for adults 60 years and older with chronic health conditions and functional limitations and for their older caregivers living in an underserved, rural county in N.C.

Dr. Victoria Soltis-Jarrett was awarded $231,077.00 from the Health Resources and Services Administration for her project “Psych NPs: Meeting the Needs of the Underserved in North Carolina.” This competing continuation project will enable her to enhance the curriculum, expand the geographical impact and increase access of mental health care services for citizens who live in an additional 37 rural and remote counties in N.C.

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The UNC Chapel Hill School of Nursing has more than 400 undergraduate students, each of whom needs seven clinical placements during their course of study. Coordinating the health and safety requirements for over 500 clinical sites would be daunting if it weren’t for the SON’s innovative online Health & Safety Requirement System (HSR).

The confidential, password protected database was developed by the school’s information technology department. It contains dates of service, requirements specific to individual clinical sites, necessary forms, immunization records and just about anything associated with a student’s work off campus.

“This is probably one of the best database management systems that any nursing school has,” said Dr. Gwen Sherwood, associate dean for academic affairs. “Through the HSR, the school creates a clear link between the students, their clinical assignments and all of the more than 500 active contracts that we maintain.” Sherwood adds that Dr. Beverly Foster, clinical associate professor and director of the undergraduate program, was instrumental in identifying the original need, conceptualizing the system and urging the SON to continually advance the system.

The database has existed for more than ten years but was recently upgraded to a Web-based platform that gives everyone accessibility. Without the system, it would be nearly impossible for students to ensure they have met all the clinical site requirements. The Office of Academic Affairs also manages a version of the HSR for faculty.

La-Tressa Lane Higgins, the SON’s data coordinator for clinical sites and contracts, enters data into the web-based Health & Safety Requirement System. Higgins said. “The database and the way it operates allow us to maintain and provide information with a higher level of integrity.”

Higgins sees several advantages to the HSR system. For example, it saves time for the employees ensuring that students are meeting a site’s requirements. Instead of holding sessions for each class to fill out paperwork, the students download the proper forms online when they are notified of requirements for an upcoming clinical experience. “It lets the students be more independent and responsible for meeting their compliance,” she said.

In addition, the system lessens the money and time that clinical sites spend getting students to meet their requirements. Rather than a clinical site paying for a criminal background check, for example, the school can send a letter showing that the student passed a criminal background check the previous year. “Because we can manage the information, we can have students prepare prior to arrival, which takes a lot off the clinical site and makes them more willing to accept our students,” Higgins said.

Clinical sites can even contact the SON to verify whether a student has fulfilled a certain requirement. “When you’re able to update information on a regular basis, store it in one central location and then query it to give you only what you need at certain times, then you’re able to manage the information much better,” Higgins said.

Sherwood said that the fact that the HSR system exists and runs smoothly is a testament to the commitment of all parties involved. The students and faculty must be vigilantly compliant, but support from program directors, human resources and division chairs ensure that, at any given time, the SON has an accurate record of how students are working with clinical sites.
NURSING STUDENTS GO GLOBAL
Students gain confidence, leadership and a world view through global summer travel.

Exposing students to global health issues is an important part of their educational experience at the UNC Chapel Hill School of Nursing. The summer international work experience is a class that offers students the opportunity to not just learn about global health but to play an active role in it by traveling abroad. Students return from global health experiences with skills they can transfer to life and clinical challenges, confident they can handle difficult situations, and committed to making a difference globally.

SON students Bilach H. Diba, Lauren Wordsworth, Sarah Johnson, Taylor Hensel and Natalie Watanasiriroch visited Kenya this summer, working with nursing students from Moi University in two free health clinics and assisting at the Reach-out Orphans and Vulnerable Children (OVC) Centre. It is common throughout Africa for girls to miss up to a month of school each year because they don’t have sanitary pads. Family and friends donated enough money for the students to partner with Lions-Rotary Club and HEART of Africa to distribute a year’s worth of sanitary pads and four pairs of clean underwear to the girls at Reach-Out.

During their travels, the students saw first-hand how HIV/AIDS, a major public health issue in Kenya, was affecting people there. “I have heard anecdotes, read stories in newspapers and watched on television how grandparents are left to care for their grandchildren orphaned by HIV/AIDS, but nothing could prepare me for what I witnessed by my own eyes,” Diba said. “I had a window into the lives of these senior citizens who in normal circumstances, according to Kenyan traditions, would themselves be looked after by their children, who of course are now dead.”

While at the small fishing village of Kendu Bay the group visited a center run by volunteer teachers. Nearly 100 children who have lost their parents to AIDS come to the center during the day for food (mainly porridge) and basic education. They live with grandparents and other family members in the area. “The moment we drove into the compound a crowd of villagers — all of them women, and most of them in their 70s and over — started coming towards us singing, cheering and dancing,” said Diba. “Even in the midst of their complex lives characterized by tremendous levels of poverty, disease and trauma, these senior citizens were warm and happy — with beams of smiles on all their faces. We all just, without uttering a word, joined in the dance.”

This trip was particularly meaningful for Diba, a senior BSN student, because she was born in Kenya and lived there until moving to the United States as an adult. She hopes to go back to Kenya to help some more, particularly in the remote and hard-to-reach area of Northern Kenya where she grew up and her parents still live. Diba received a SON Global Health Scholar Award, which helped offset the tuition for the class.

INSTITUTING CHANGE
Senior BSN student Minh Nguyen returned to his native country of Vietnam for his summer externship after being in the U.S. since he was 15 years old.

Students return from global health experiences with skills they can transfer to life and clinical challenges.

continued.
old. The SON’s first Cronenwett Global Study Award helped fund his journey. This award was created by a private gift from a SON alumna and her husband to honor the leadership of Linda H. Cronenwett, immediate past dean of the SON, and her passion for improving quality and safety in health care. It was fitting that Nguyen’s work focused on reducing high rates of infection in the hospital he visited.

Overcrowding, lack of resources and overuse of antibiotics are associated with high rates of infection. In the Vietnamese hospital, Nguyen saw that sometimes two patients shared a bed, and rooms typically contained several beds. With the patients’ family members, rooms might sometimes hold as many as 20 people.

After doing research, Nguyen decided that increasing hand washing compliance would be the most effective and simplest way to decrease infection in the hospital. Putting the nursing process to use, he spent a week observing the hospital, another week planning his intervention, and two weeks implementing and evaluating his interventions.

He observed that physicians and nurses were inconsistent with hand washing before touching patients or between seeing patients. He also noticed that family members were additional sources of infection because they had the most contact with the patients. He surveyed staff attitudes and knowledge on hand washing and infection control and discovered that most of them understood its importance and knew the correct techniques. “I needed a series of interventions including education, feedback, supervision, motivation and reminders,” Nguyen said.

He discussed his plan with the head nurse, and after several modifications, started the project in the neonatal intensive care and pediatric intensive care units.

“I started with classes on cross infection and the importance and techniques of hand washing,” Nguyen said. “With the staff, I created a video using the techniques recommended by the Ministry of Health. I also used a Glo-germ hand washing kit to make the class more interactive and interesting. This was the first time that I was able to utilize what I learned in class in a real-world setting.”

Nguyen said that he returned from the summer experience with more confidence. “I was able to work independently in a new working environment. My leadership and communication skills were sharpened, and I carried out my project successfully. I also realized that infection control is a great field because it is one of the most important aspects in patient safety. By controlling the infection rate, we are reducing the mortality rate.”

He hopes to keep a professional relationship with the hospital and to continue to help them increase compliance with hand washing.

“A NEW CULTURE

Amy Davenport, a senior BSN student, carried out her summer externship in the Centro de Salud in Teotitlan del Valle, Oaxaca, Mexico. The Centro de Salud is the public health clinic for the 8,000 person indigenous village and is very similar to health department clinics in the United States. She studied Spanish for two weeks in Oaxaca before starting
Amy Davenport assisted nurses at the public health clinic as they went door to door to administer vaccines.

her time at the clinic.

Davenport sought to achieve several things with this trip. “I wanted to improve my Spanish, to have the cultural exchange of working in a different country with a different population, and to learn about the culture,” she said. “I wanted to learn about everything from how they eat and live to their interactions with the health care system.”

At the clinic she helped with intake, assessing patients and taking vital signs. She participated in several vaccine campaigns both in the clinic and by joining nurses as they went door to door to administer vaccines to those who hadn’t come into the clinic. Davenport has a master’s degree in public health and has always had an interest in women’s health. Although not the main focus of her Mexico experience, she did get a chance to work with some pregnant women and to attend a birth in the clinic.

“The skills I gained in Mexico in the clinic are transferable into any setting that I will be working in.” It not only gave her a cultural understanding, but she also now knows what it is like to be a non-native speaker in a foreign country and to have people talking and not to understand what they are saying. She has already used her improved Spanish skills here in North Carolina. “I’ve been able to speak in Spanish with patients about their care as well as have conversations with them in their own language, which helps them feel more comfortable and enables me to build a better therapeutic relationship,” she said.

Davenport received the School of Nursing’s Global Travel Award, which offset the cost of tuition for this class. She also received the Carolina Experience Enrichment Scholarship and the Carolina Undergraduate Health Fellowship. “I felt like three different parts of campus were really interested in supporting nursing students doing international work,” Davenport said. “Other people valued the experience that I was going to get and saw how supporting it would benefit not just me but nursing in general and other students. I was representing Carolina.”

The scholarships allowed her to get the most out of her summer experience. Having her expenses covered during her month at the clinic freed her to use her private funds to study Spanish for two weeks prior to the experience.

Davenport encourages students that think they don’t have the money to go abroad to research scholarships. “You can afford it,” she said. “There are people that want to support it.”
NEW SCHOLARSHIPS
SUPPORT STUDENTS AND HONOR LOVED ONES

SUSAN BOCHICCO PEDIATRIC NURSING SCHOLARSHIP

The Susan Bochicco Pediatric Nursing Scholarship will honor students who strive for high academic achievement, connect with children in a meaningful way, and make a positive difference in the lives of others. Susan's husband Joseph and her children Kristin and Brian established the scholarship fund in her memory. "My mom was a compassionate and loving person who always wanted to give back," Kristin said. "We wanted to continue her legacy of touching children's lives."

Susan loved caring for children and was a pediatric nurse at St. Joseph's Wayne General Hospital and outpatient clinic in Paterson, N.J. for 23 years. In 2003, Susan and Joseph moved to Raleigh, N.C., and Susan began working as a pediatric nurse at UNC Health Care University Pediatrics at Highgate in Durham, N.C. In addition to Susan's ties to UNC, her daughter and son-in-law are UNC alumni, and her son is currently enrolled in the MBA program at UNC.

In March 2007, Susan was diagnosed with leiomyosarcoma, a rare cancer of the smooth muscle tissue that affects only four in a million people. She fought hard for three years and touched the hearts of many by maintaining a positive outlook, radiant smile and passion for living life to the fullest. "We want the scholarship to be about who she was," Kristin said. "We would like to find and recognize people who exhibit the qualities my mom exuded — excellence in care, bountiful in love, and strength in spirit."

To learn more about Susan and how you can support this scholarship, please visit https://sites.google.com/site/susanbochiccofund/.

J. THOMAS FOX, M.D. '60 AND LANDON LEWIS FOX, BSN '56 UNDERGRADUATE NURSING MERIT SCHOLARSHIP FUND

When Dean Elizabeth Kemble recruited the second class of students to enter the School of Nursing in 1952, Landon Lewis was right there, ready to begin. Through her nursing school experiences, Landon formed lifelong bonds with her classmates while they lived and studied together in the nurses’ dorm. After graduation in 1956, Landon became a practicing pediatric nurse, met her future husband Tom Fox (they were introduced by a classmate), raised a family, and contributed as an active community volunteer. For both Tom and Landy, their Carolina experiences provided a valuable foundation for life, defined what it means to be a role model, and instilled the importance of giving back.

The Foxes first considered making a bequest to the SON, but reconsidered in favor of making a current gift. Tom had heard about various options to establish a scholarship fund during his service as a director of the SON Foundation, Inc. He had heard the stories of scholarship recipients he met, and the Foxes discussed how they could make a difference now.

Landy and Tom said they wanted the personal joy of meeting scholarship recipients during their lifetime. In September, they created a merit-based scholarship for students who demonstrate outstanding academic achievement, maturity, enthusiasm and strong leadership potential. The endowment fund will help students with tuition, fees, books and living expenses. The SON is honored and grateful to accept this generous gift from Tom and Landon.
CHARLOTTE V. NELSON SCHOLARSHIP

Dr. Meg Zomorodi, her husband Ali Zomorodi and her brother Chad Gambrell have established a scholarship for undergraduate nursing students in memory of Meg’s mother, Charlotte V. Nelson.

Charlotte graduated from East Carolina University with a BSN degree and was an emergency department nurse at UNC Hospitals for 12 years before she passed away suddenly in 2002. Meg said that one of the highlights of her mother’s career was when she was able to precept UNC nursing students in the emergency department. She was always amazed at the caliber of students, and she was honored to be able to instill in them her passion for nursing. Meg said that her mother was a proud Carolina nurse who was happy that her daughter attended the UNC Chapel Hill School of Nursing. Meg received a BSN from the SON in 2001 and a PhD in 2008 and is currently a clinical assistant professor at the SON.

“My mother would be thrilled to have a scholarship in her name,” Meg said. “She always said ‘nothing could be finer than a nurse from Carolina,’ and I know she would be so proud to know that she is making a difference in the lives of future generations of nurses.”

As a student, Meg was a recipient of the SON’s Carrington Scholarship. “I have the experience of being a scholarship recipient, and now establishing this scholarship in memory of my Mom is a way for me to give back,” she said. “I hope that this scholarship will have a ripple effect.”

ALISON F. YEARGAN MASTER OF SCIENCE IN NURSING SCHOLARSHIP FUND

Dean Kristen Swanson met Alison F. Yeargan in spring 2010 near her home in Wilmington, N.C. Alison graduated from the SON in 1993, earning the BSN degree. Her mother, Gay Bowers Felts, was also a nurse, and Alison wanted to remember her mother’s contribution to the profession after Gay died from breast cancer complications at age 64. The Alison F. Yeagan Master of Science in Nursing Scholarship Fund in Honor of Gay Bowers Felts is a tribute to both generations who shared a passion for nursing and caring for others.

SALLY WINN NICHOLSON, BSN ’55 UNDERGRADUATE MERIT SCHOLARSHIP FUND

Several years ago Sally Winn Nicholson, BSN ’55, began talking with us about how she could leave a gift to the School of Nursing that would be meaningful. She wanted to help students with scholarship support, just like she received when she attended Carolina as a member of the first class to graduate. Sally taught on the faculty of nursing schools for most of her career and knew the value of a BSN education. She also knew that it would be difficult to start a scholarship during her retirement years. That’s why she created the Sally Winn Nicholson, BSN ’55 Undergraduate Merit Scholarship Fund as a bequest to the School. Through this gift, Sally will create a legacy that will support students for as long as the UNC Chapel Hill School of Nursing exists.

THE PATTY MAYNARD HILL, BSN ’69 UNDERGRADUATE MERIT SCHOLARSHIP FUND

Patty Sue Maynard earned a BSN from the UNC Chapel Hill School of Nursing in 1969 and then went on to complete the M.Ed. degree, majoring in adult education with a minor in pediatric nursing, guidance and counseling. Patty began as a SON instructor in 1974 and was named assistant professor in 1976. She educated generations of students who now practice in North Carolina and around the world. In 1986, she completed an intra-institutional doctorate in adult education from N.C. State University and the UNC Chapel Hill School of Public Health. As a nurse educator and SON Foundation Board director, Patty Maynard Hill knows the value of giving back. The scholarship will help future nursing students with a strong academic record to fulfill their career goals. Patty is especially interested in supporting RNs who want to pursue the BSN and desire to practice maternal child health. Thanks to Patty and her husband, Dr. Gary Hill, for their thoughtfulness and generosity in establishing this endowment fund.

IT’S EASIER THAN YOU THINK!
The SON has increased student enrollments, and the need for scholarships to support students is greater than ever. Dean Swanson emphasizes that there is a pressing need for doctoral student scholarship support. Establishing a named fund is easier than you think. A pledge (payable over five to seven years) along with a $2,000 gift now will start an endowment fund. A $50,000 pledge will create a scholarship fund to support a master’s student, and a $100,000 pledge will start a doctoral scholarship fund. You can also combine a current gift with a future gift (one that is part of a bequest). We are happy to talk with you about tailoring a gift that is best suited to your giving wishes and circumstances. Contact Norma Hawthorne at (919) 966-4619 or norma_hawthorne@unc.edu for more information.
Each year the UNC Chapel Hill School of Nursing’s Alumni Board recognizes the contributions of former graduates to nursing, the community, and health care. The 2010 recipients were recognized at the Annual Awards and Recognition Reception on October 15.

ALUMNA OF THE YEAR
The Alumna of the Year Award is given in recognition of outstanding service through scholarly efforts, promotion of health care or tireless service to the field of nursing. This year’s recipient, Anne Dunlap, was recognized for her outstanding nursing practice with women whose lives are changed with a cancer diagnosis.

Her strong desire to help and comfort, even when she was a child, brought her into nursing. She received her BSN from the UNC Chapel Hill SON in 1975 and took her first position in the inpatient gynecologic oncology unit at N.C. Memorial Hospital (now UNC Hospitals) in Chapel Hill. Ever since, she has practiced, taught, and guided nurses and other providers to provide excellent care to gynecologic oncology patients.

Dunlap gained Oncology Nursing Certification in 1997 and is currently a clinical instructor/lead nurse clinician and faculty member in UNC Health Care’s department of obstetrics and gynecology, division of gynecologic oncology. She gives didactic lectures and informal education to residents, fellows and staff, and she ensures that more than 100 gynecologic oncology patients receive treatment plans and have their medical and emotional needs met. She has served on regional and national nursing advisory boards for GlaxoSmithKline and received the UNC OB/GYN Resident Outstanding Service Award in 1999 and the UNC School of Medicine’s Nursing Recognition Award in 1998 and 2009.

CARRINGTON AWARD FOR COMMUNITY SERVICE
The Carrington Award for Community Service is awarded in recognition of remarkable service to the community, state or other beneficiary organizations and for reflecting favorably on the School of Nursing through this service. This year’s recipient, Francine Davis, received a BSN from the UNC Chapel Hill SON in 1972. In 1974, she earned her MPH in maternal-child/public health nursing from UNC.

She is currently a nursing instructor at Vance-Granville Community College in Henderson, N.C. where she teaches in the Practical Nursing Program, advises students and supervises student clinical rotations. She was head of the college’s practical nursing program from 2000 to 2002, a position that involved instructing and coordinating the program, developing syllabi and recruiting part-time faculty.

She was Alumni Board President from 1997 to 2000. Davis has traveled to Tanzania, East Africa as a mission nurse and served her community through 30 years of participation in the Orange and Durham counties Crop Walks.

GRADUATE OF THE LAST DECADE (GOLD) AWARD
Brandi Hamlin Newman is honored with the GOLD Award, which goes to a SON alumna or alumnus who graduated within the past ten years and has made outstanding contributions to the school, profession, community or nation. Newman received bachelors (‘01) and master’s (‘04) degrees in nursing from the
UNC Chapel Hill SON. She is currently the director of women’s & children’s services at the Jeff Gordon Children’s Hospital at Carolinas Medical Center-NorthEast in Concord, N.C. At the Children’s Hospital, she has also served as the nurse manager of mother/baby, lactation services in the Women’s Center. Newman is adjunct faculty at the UNC Chapel Hill SON and serves on the School’s Advisory Board for the Office of Multicultural Affairs. She is a former member of SON’s Alumni Board, the American Red Cross-Cabarrus County Chapter Board of Directors, and the City of Kannapolis Diversity and Newcomers Commission. She has authored a chapter in a nursing leadership textbook that focuses on the health care system, finance and nursing’s role within the system. She speaks locally and nationally on generational diversity, health literacy, and perinatal topics.

1950s ALUMNI PANEL RELATES SON HISTORY TO STUDENTS

When Geraldine (Geri) Snider Laport, BSN ’55, Barbara Hedberg Self, BSN ’57, and Frances Ader Read, BSN ’58, took the stage in Carrington Hall to talk to 150 first year BSN students there was a sense of awe and respect. More than 50 years had passed since their graduation and a lot had changed in nursing, at the school, in the curriculum and at the University. Yet, the bond between them was strong and solid because they were all Carolina nurses.

Clinical Assistant Professor Dr. Meg Zomorodi organized the program with Associate Director of Advancement Anne Webb to introduce the history of the SON and to create continuity between then and now. Webb works with the SON faculty to find alumni that can speak on topics in which the faculty have an interest. In addition to the history panel, Webb has helped organize leadership and new graduate panels for undergraduates as well as panels on the topics of implementing research in practice and transitioning to practice within the MSN program.

The three alumnae shared their personal stories and memories. When Laport graduated as part of the first SON class in 1955 the state desperately needed schools of medicine, nursing, pharmacy, dentistry and public health. These schools were chartered after World War II by the state legislature to address the health care needs of returning veterans and rural communities with limited access to care.

“I hope to have the same passion about nursing 50 years from now.”

Self remembers that she and her classmates were required to sign in and out each time they entered and exited the dorm. The weekday curfew was 10 p.m. and the weekend curfew 11 p.m. Once in a while, Dean Kemble would give them permission to stay out later. Self practiced geriatric nursing for 25 years before recently retiring. “It’s a wonderful thing to have a degree and this type of education,” she said.

Read felt special as part of the Carolina nursing program. She found the Carolina program welcoming and receptive, and the curriculum in public health nursing was exactly what she was looking for. She was a public health nurse for over 25 years. Her BSN degree was considered “advanced” and led to her being tapped to teach. Nursing schools needed baccalaureate educated instructors in the classroom to get accreditation. She taught at the Medical University of South Carolina in Charleston for 20 years.

The students also had an opportunity to ask the panel questions. The class ran well beyond the allotted time because students were wholly engaged. Dr. Zomorodi heard one student say, “I hope to have the same passion about nursing 50 years from now.”
The level of research performed at the UNC Chapel Hill School of Nursing is one reason it is a leader among nursing schools. Writing and submitting grant proposals to fund that research involves a tremendous amount of work, with the heaviest lifting done by the investigators themselves. This year, the SON's Office of Research Support & Consultation (RSC) celebrates 25 years of helping SON investigators submit high quality grant proposals.

“I think the RSC is unique because of its comprehensiveness and the quality of services,” said Dr. Kathleen Knafl, associate dean for research and Frances Hill Fox Distinguished Professor. The RSC provides investigators with technical, scientific and editorial support for their grant proposals, and it develops faculty and graduate students through bi-weekly seminars on research topics.

Gregory Workman, director of the RSC, oversees technical aspects of the proposals, which include forming a proposal’s budget, developing a calendar of deadlines and shepherding proposals through the university system. “Some university and funding agency regulations are givens,” Dr. Knafl said. “If we don’t handle them well, we end up with proposals that don’t meet requirements or that won’t be accepted. If investigators had to spend all their time on the technical aspects, then the science would suffer.”

Dr. Knafl focuses on working with faculty in developing their science. The RSC has statisticians that work with investigators on analysis aspects of their proposals, and once a study is funded the statistician who helped develop the proposal usually continues as a member of the research team. Dr. Knafl also oversees the Research Consultants Group — senior SON researchers who provide ongoing input and guidance to investigators. Consultants carry a caseload of investigators with whom they meet individually to discuss developing proposals or to review drafts. “Most schools do not have such a formalized consultant role,” she said. “The degree to which it has been formalized is distinct and an important component of our support system for research.” Faculty members currently serving on the Research Consultant Group include John Carlson, M.S., as well as Drs. Barbara Carlson, Sandra Funk, Barbara Mark, and Margarete Sandelowski.

When a proposal is close to complete the investigator participates in a mock review, which brings together the investigator’s team, research consultants, and others with expertise in the area of study. Everyone reviews the proposal draft together and gives input about how it could be improved. “Giving proposals multiple rounds of review and critique before they are submitted produces higher quality proposals, and professional editing improves the presentation of the science,” Dr. Knafl said. The RSC contracts Elizabeth Tornquist to edit each proposal once before it is submitted.

Creation of the RSC
In 1985, Dr. Sandra Funk formed the RSC (then called the Research Support Center) with the help of Tornquist, who was the SON’s editor, and Dr. Cynthia Freund, who was their faculty chairperson and who then became dean in 1992. Dr. Funk began as the RSC director and was promoted to associate...
Carolina Nursing dean of research in 1993. “Elizabeth and I had worked for about 10 years with students in the master’s research sequence, and it was clear that putting this effort into faculty would be beneficial because we could help them develop their science, and they, in turn, could advise and involve students in their research.”

It was a time in nursing when research was becoming more important than it had been in past, Dr. Funk said. “Scientific knowledge was needed to guide practice, and around the country nursing schools were gearing up to become more scientifically oriented.”

Much has changed since the RSC began in 1985. At that time the RSC managed the SON’s computing resources — a total of 15 computers. It began with one full time and a few part-time staff and now employs the equivalent of three full time staff and two and a half statisticians who are research faculty. Funding from outside the School of Nursing was just under $22,000 in the 1985–1986 fiscal year and rose as high as $10 million in 2002–2003.

Many of the early RSC activities were focused on faculty development, which included workshops and short courses on research methods, writing grants and conducting statistical analyses. The center also offered consultation in these areas and put an emphasis on submitting research grants for external funding, Dr. Funk said.

She points out that it took more than research support to increase and improve the nursing research done at the SON. “In addition to developing faculty, the environment needs to support them in their research,” she said. “As the RSC was developing, the environment was changing as well. If they had not occurred together, the School might not be where it is today in regards to research.” For example, Dr. Virginia Neelon developed the Biobehavioral Laboratory to support the biological and behavioral assessments needed in the research, the tenure track faculty workload was adjusted to allow time for research, researchers began to fund their time for grant-supported research activities, and research became an expectation for tenure-track faculty.

“As part of the very research-intensive environment at UNC, our investigators had access to excellent collaborators and resources on campus,” she said. There were many UNC institutes with which SON researchers could partner. Dr. H. Garland Hershey, who oversaw the UNC Chapel Hill Division of Health Affairs as vice chancellor and vice provost from 1983 to 1997, was very supportive of the SON and helped fund some of its research development, Dr. Funk said. “It was a group effort that required everyone from the vice chancellor to the deans to the faculty doing the grants and the staff and students of the School,” she said. She is quick to emphasize that it took a huge effort from the faculty to apply for these grants.

Dr. Funk stepped away from the associate dean for research position and her formal leadership role in the RSC in 2008. She is still an active part of the SON faculty and a respected mentor to many UNC Chapel Hill SON aspiring and active nurse scientists. “It’s been very exciting to be part of something developing and growing such as the science of nursing,” she reflects. “It was a lot of hard work, but I found all the topics of research very exciting.”

“In addition to developing faculty, the environment needs to support them in their research,” Dr. Funk said. “As the RSC was developing, the environment was changing as well. If they had not occurred together, the School might not be where it is today in regards to research.”
BIG IDEAS BRING BIG RESULTS

Carolina nurses are innovators in

HEALTH CARE REFORM

DIVERSITY

EDUCATION AND PATIENT CARE

DEBRA J. BARKSDALE: MAKING HER MARK ON HEALTH CARE REFORM

Dr. Debra J. Barksdale, an associate professor at the UNC Chapel Hill School of Nursing, is on the cutting edge of advanced practice nursing. Her expertise and experience has led to appointments to positions that will allow her to improve health care and nursing education on a national level.

This fall she was the only nurse appointed to the Board of Governors for the new Patient-Centered Outcomes Research Institute. This national institute was established under the Patient Protection and Affordable Care Act, part of the federal government’s health-care reform legislation signed into law earlier this year. The institute will 1) identify research priorities of the nation, 2) establish the research project agenda for the nation, and 3) carry out the research project agenda, which will include systematic reviews, primary research such as randomized control clinical trials, and other methodologies. Its efforts will help guide patients, clinicians, purchasers and policymakers to make informed health decisions.

As a researcher, nurse practitioner and educator, Dr. Barksdale will bring knowledge and skill to the board. “There are some major needs regarding health and health care in our country, and I hope to be able to make a difference,” she said. “I will also be an advocate for the disadvantaged, underserved and underrepresented in regard to issues of health and research.”

Dr. Barksdale is also the president-elect of the National Organization of Nurse Practitioner Faculties. This organization promotes quality nurse practitioner education at the national and international levels by providing curriculum development guidance, entry-level competencies and national guidelines for nurse practitioner educational programs.
“I am a family nurse practitioner because I tend to have broad perspectives,” she said. “Whatever I am working on at the time is what I love the most.”

Several times a month, Dr. Barksdale volunteers as the primary health care provider at the Robert Nixon Clinics for the Homeless, which serves the Chapel Hill area. “I believe in giving back,” she said. “It is a win-win because I provide a service and get to help people while satisfying my clinical practice requirements.”

She involves students in the clinics and in community activities as much possible. At the clinic she has mentored nurse practitioner and pharmacy students as well as students interested in both nursing and medicine. She tries to link students with agencies like the homeless clinic, health department and, most recently, a daycare center in Chapel Hill so that they can give back, serve and meet program requirements such as the master’s paper at the same time. “This fulfills educational needs while giving back to the community and gives the students skills they need to really help people,” she said.

Dr. Barksdale’s research involves studying hypertension in Black Americans. “Hypertension is a huge problem in our community. I have seen it in my family and my patients,” she said. “I started out thinking about the relationship between stress and hypertension and have gradually gotten more sophisticated in my study of these phenomena.”

With a grant from the National Institute of Nursing Research, she is studying cardiovascular and neuroendocrine responses during the sleep period in Black Americans. These responses indicate a person’s allostatic load — the physiological costs of chronic exposure to stress. Her work is so unique that instruments did not exist for the necessary 24-hour ambulatory monitoring. With support from the SON’s Biobehavioral Laboratory, she worked with a company to adapt an impedance cardiograph for 24-hour ambulatory monitoring of various cardiovascular parameters such as cardiac output, stroke volume and total peripheral resistance. She is now ready to make those measurements and to measure the cortisol awakening response.

“I am a family nurse practitioner because I tend to have broad perspectives.”

These data will provide information on how blood pressure and total peripheral resistance vary throughout the day and particularly during sleep. Dr. Barksdale’s findings might just shed light on a mystery that vexes clinicians and researchers alike: Why do so many heart attacks and strokes occur early in the morning?

continued...
Dr. Durham, clinical professor, was awarded a HRSA grant that will increase the use of human patient simulators in nurse practitioner education.

CAROL DURHAM: EDUCATING TOMORROW’S NURSES

Dr. Carol Durham doesn’t shy away from challenges, whether she is securing funding, finding new ways to implement simulation technology in teaching or tackling safety issues through education.

Dr. Durham, a clinical professor at the SON and the director of its Education Innovation Simulation Learning Environment (EISL), first implemented simulation technology when she brought virtual reality venipuncture to the SON over two decades ago. In 2000 she introduced human patient simulation technology, which uses computerized mannequins. She has expanded this technology throughout the decade and has assisted undergraduate faculty in implementing simulation in courses across the curriculum.

Students entering nursing school are excited about being a nurse and want to make a difference in people’s lives. Early in their curriculum, undergraduate nursing students learn basic skills on static mannequins and task trainers before progressing to human patient simulators to work within the context of a patient care scenario.

“I believe that unless the fundamental skills are well honed, students cannot move to higher level thinking skills such as using clinical judgment to consider all the variables necessary to arrive at a patient-centered plan of care,” Dr. Durham stated. “Applying what they have learned in a simulated clinical environment provides them an opportunity to synthesize what they have learned.”

Dr. Durham’s most recent accomplishment is receipt of a Department of Health and Human Services Health Resources and Services Administration (HRSA) grant for just under $300,000. It will upgrade the ten-year-old adult simulator, add another adult simulator, replace the pediatric simulator and add an infant simulator. The grant also supports the purchase of a Web-based electronic health record system for training students in electronic charting, ordering and management of patient data.

Initially, use of human patient simulators was focused on undergraduate training. More recently, graduate faculty have worked with Dr. Durham to develop simulation cases that assist graduate nurses in transitioning from nurse to nurse practitioner. The equipment obtained with the HRSA grant will allow nurse practitioner students to interact with, assess, and determine treatment plans for multiple patients. They will be able to use the electronic health record system to prescribe, learn billing codes and complete electronic documentation.

Dr. Durham is a Quality and Safety Education for Nurses (QSEN) consultant and has provided faculty development to schools across the nation in the areas of integrating QSEN competencies into lab and simulation experiences. Dr. Linda Cronenwett, immediate past dean of the SON, is the principal investigator on the QSEN project, which was funded by the Robert Wood Johnson Foundation.

Dr. Durham believes interprofessional education is important for the nurses of tomorrow. She co-coordinates a course with the UNC Schools of Medicine and Pharmacy that provides a variety of experiences enhanced with simulation. Additionally, Dr. Durham and Clinical Associate Professor Dr. Kathy Alden provide an interprofessional simulation experience that immerses obstetric nursing students and pediatric medical students in a birthing scenario focused on neonatal resuscitation.

Communication is the primary cause of medical errors, Dr. Durham notes, and is a problem that can be addressed through the type of education provided by interprofessional simulations. She would like to see this type of interprofessional collaboration advanced through the creation of a center focused on training all types of health care professionals.

“It is important to teach students strategies for teamwork, collaboration and communication for optimal patient safety.”

“Applying what they have learned in a simulated clinical environment provides them an opportunity to synthesize what they have learned.”
RUMAY ALEXANDER: ADVOCATING FOR DIVERSITY AND INCLUSION IN NURSING

The UNC Chapel Hill SON is one of only a handful of nursing schools in the country with an internal office devoted to diversity and inclusion. At the helm of the school’s Office of Multicultural Affairs is Director Dr. Rumay Alexander.

Dr. Alexander, a registered nurse, is a pioneer in more ways than one. “Many times I find that I am forging new paths,” she said. “I am constantly giving architecture to new positions and roles because the times in which we live require this.”

In 2009, she was promoted to the rank of clinical professor, becoming the first African-American in the SON to achieve the rank of professor. As a clinical scholar, her achievements bridge the three missions of the school: teaching, research and service.

“The wonderful message is that the School of Nursing has created, and continues to work on, an environment that allows people across a broad spectrum of expertise, strengths and abilities to flourish, and that is something to celebrate,” stated Dean and Alumni Distinguished Professor Kristen Swanson.

Using a systemic approach, Dr. Alexander threads diversity and inclusion into the School’s environment, curriculum, retention efforts and recruitment. Her courageous dialogues model is an organizational intervention for attacking anti-flourishing mechanisms and power elements that perpetuate, accentuate, create and tolerate inequities. The courageous dialogues are structured conversations that occur regularly and include all faculty and staff in the SON. The conversations are launched after participants are exposed to a diversity or inclusion issue through reading material, viewing a film or listening to a panel.

In the classroom, she provides teachers with culturally relevant materials and ideas to help students become practitioners and providers of care that is sensitive to the lives of patients, their families and the communities from which they come. The number of minority students entering the school has increased over recent years, but Dr. Alexander knows that the work cannot stop there. “You can bring people in the front door, but if the environment is not nurturing then you have done more harm than good,” she said. “I want to attract you, keep you, and for you to be successful.”

Her success at the SON has led others to seek her expertise. She is now the special assistant on multicultural affairs to Dr. Mary Tonges, the senior vice president and chief nursing officer of UNC Healthcare and clinical professor in the School of Nursing. Dr. Alexander helped UNC Healthcare form a diversity council and to work on diversity and inclusion within the organization. In recognition of this work she received the Faculty of the Year award for 2010 from UNC Hospitals’ Nursing Division.

On the national level Dr. Alexander is a member of the National League for Nursing’s Board of Governors and Executive Committee as well as a Trustee for the National Student Nurses’ Association Foundation Board. In addition, she worked for years with the American Organization of Nurse Executives (AONE) in the area of diversity, helping them develop an organizational position statement, for example. National organizations must prioritize diversity, she said, because they set the example for their members. The 2010 AONE Prism Award went to Dr. Alexander in acknowledgment of her work with the organization.

“I believe that success is transferable. If I’m able to be successful I can take what I learned and how I did it and pass it on to someone else so they can be successful too,” she said.
Dr. Mary Happel Palmer, the Helen W. & Thomas L. Umphlet Distinguished Professor in Aging at the UNC Chapel Hill SON, has been focused on improving care for older adults for her entire career. Her doctoral dissertation on incontinence was the first longitudinal study in the U.S. on the incidence, prevalence and remission of urinary incontinence in newly admitted nursing home residents.

She has since studied incontinence in various groups, most recently focusing on heart failure patients. She is examining the urinary symptoms these patients experience, how much the symptoms bother them, as well as how they seek help and manage the problem.

Geriatric research and education are increasingly important as the boomer generation ages. The first of this generation will turn 65 on January 1, 2011. “With more older adults in the population, we will need more preventative and chronic health services,” Dr. Palmer said. “We won’t have enough specialists in geriatrics, so it will be important to integrate geriatrics into basic nursing education and into each nursing specialty.”

On the education front, Dr. Palmer and a dedicated project team have developed geriatric clinical simulations for the UNC Chapel Hill SON’s human patient simulators as well as for an online electronic library at http://geroclinsim.org. This work has been funded since 2003 by grants from the Health Resources and Services Administration that also allowed purchase of a portable human patient simulator used in continuing nursing education workshops and at an international geriatric nursing education conference in Durham, N.C. last year.

“Unlike other types of geriatric education, these simulations focus on sentinel events and acute exacerbations of diseases rather than on chronic disease management,” she said. Caregivers may see small but important changes in an older adult, but because they don’t recognize the significance of these changes they don’t act quickly enough to head off a crisis. For example, sudden appetite changes or confusion could indicate a developing infection. The cases in the electronic library can help nurses better assess the older adult and communicate findings to the health care team.

The online format allows users to progress through the unfolding cases at any time from any location. The clinical simulations cover the scope of practice for RNs, LPNs, and nursing assistants with cases on urinary tract infections, urinary incontinence, delirium, falls, pressure ulcers and other prevalent conditions that can lead to sudden changes in health status. “For example, if urinary incontinence starts suddenly, there is usually an underlying reason,” said Dr. Palmer. “Urinary incontinence is not caused by aging alone.”

Dr. Palmer’s grant will allow her team to develop two interdisciplinary geriatric simulations for the human patient simulators. “These clinical simulations will be developed in collaboration with the UNC School of Medicine Division of Geriatric Medicine. The simulations will allow nurses and physicians to learn together about how to address sudden or acute change in the health status of older adults, especially frail elders,” she said.

“With more older adults in the population, we will need more preventative and chronic health services.”

She is also advancing aging initiatives as the interim co-director of the UNC Institute on Aging. The institute has a mission to enhance the well-being of older people in North Carolina by fostering state-wide collaboration in research, education and service. In October, the Institute held the Governor’s Conference on Aging, during which attendees had the opportunity to participate in discussion about strategies to prepare North Carolina for an aging population.
GREGORY SIMPSON: SUPPORTING MILITARY HEALTH

Gregory Simpson cares deeply about the mental and physical health of soldiers and has been involved in military screening on several fronts. In the face of problems such as suicides and soldiers deployed with injuries, the military has given more attention to soldier screening before and after deployment.

Simpson, a family nurse practitioner, received his master of science from the UNC Chapel Hill SON in 2001 and completed a two-year term as president of the school’s Alumni Board in the fall of 2010.

In 2009, he retired from the National Guard after 22 years of service. As a full-time mobilization medical liaison officer and deputy state surgeon in the National Guard, he improved pre-deployment screening of soldiers and advocated for Military Reserve and National Guard soldiers returning from war.

Previously, returning Reserve or Guard soldiers were usually told to go home first and to visit the VA hospital later. “I advocated for soldiers to speak up when they had issues and spoke to people at demobilization sites to be sure that our soldiers received the care they needed before they went home.”

Soldiers need education about the importance of early health care support, Simpson explained. Their eagerness to see friends and family causes them to delay treatments. “But later never comes,” he said. “We briefed soldiers on taking care of problems before they go home, which produced a much healthier force returning to civilian life.”

Thanks to Simpson and other advocates, the Department of Defense and the National Guard Bureau now require Guard and Reserve soldiers to receive the same post-deployment screening as active duty soldiers.

“We had to show that this screening didn’t cost more and didn’t slow down the demobilization process,” Simpson said. “It did save money on VA claims and prevented disabilities that were not taken care of or tracked.”

Simpson still serves the military today as the clinical director of Onsite Health, which performs health assessments on soldiers before and after deployment. He trains the company’s full-time and contracted clinical staff and maintains clinical standards. Under Simpson’s watch the company has improved military screening, which he attributes to better skills validation, improved training, and setting a personal example. “I always thought it was important to see the unit manager work a shift periodically,” he said. “So I go out and mentor the providers.”

Simpson makes it a priority to see patients at least once a month. He talks with soldiers, takes their health history, and does their health assessment. “Taking care of people that have been where I’ve been or are going where I’ve been is very rewarding.”

Simpson advocated for Guard and Reserve soldiers to receive the same post-deployment screening as active duty soldiers.

“Taking care of people that have been where I’ve been or are going where I’ve been is very rewarding.”
Cancer has a life-changing effect on the person diagnosed as well as his or her family. Big decisions must be made about treatment, and stress can come from uncertainty around cancer reoccurrence, side effects from treatment or from conditions that may arise many years after treatment has ended.

Researchers at the UNC Chapel Hill School of Nursing help cancer patients and survivors by creating and testing interventions that help diminish their uncertainty. In addition, nurse scientists are improving personalized information tied to cancer risk factors and are exploring new technology for delivering interventions.

Dr. Merle H. Mishel, Kenan Professor of Nursing and the director of doctoral and post-doctoral programs, and Dr. Barbara Germino, professor and the first Carol Ann Beerstecher-Blackwell Distinguished Professor of Health Care, developed an intervention that reduced uncertainty that prostate cancer patients have upon initial diagnosis. The work was funded by the National Institute of Nursing Research at the NIH.

“Traditionally a patient receives a diagnosis of prostate cancer and then comes in immediately for a treatment decision, but he doesn’t really understand what is happening,” Dr. Mishel said. She developed the theory of uncertainty in illness, which refers to the patient’s ability to understand the illness situation, to provide meaning to the situation and to participate productively with the physician in a plan of care. Mishel’s theory is used and studied around the world and was the basis for the intervention for the prostate cancer patients. “We wanted to really increase their knowledge,” she said. “We wanted to produce a competent patient.”

The doctors modified their normal protocol for this study, allowing about a week for the intervention before discussing treatment options with the patient. Either the patient only or the patient and his primary support person received the intervention. A control group received no intervention.

The research protocol included the patients receiving the booklet *Treatment Choices for Early Stage Prostate Cancer: Patients’ Questions — Doctors’ Answers*. It had ten sections, each with topic-specific questions and brief answers covering a topic such as understanding prostate cancer or treatments. Patients noted questions for their physician in a tear-out sheet at the back of the booklet. A DVD given to the study participants presented scenarios in which patients talked with their doctors about treatment options and was designed to improve communication skills. In addition, subjects or subjects and their primary support persons received four calls, during which intervention nurses did things such as answer questions about the book’s content, helped the patient develop specific questions based on his concerns, and reviewed and practiced the DVD’s communication skills.

The intervention proved helpful for the patients, and it was most beneficial when the patient and his primary support person received the intervention, Dr. Mishel said. Men who received the intervention improved in uncertainty management, cancer knowledge, problem-solving, patient-provider communication and competence in medical communication. These men also had a significantly lower level of decisional regret.

“We wanted to really increase their knowledge...We wanted to produce a competent patient.”
The researchers concluded that before deciding about treatment, patients and supportive others need information about the disease, treatment options and side effects as well as communication skills training. “We must give the patients some information before they go in to decide about treatment,” Dr. Mishel said.

CHILDHOOD CANCER SURVIVORS

Uncertainty plays a different role in cancer survivors than it does in patients just diagnosed with cancer, and this uncertainty presents later in life for those who survived childhood cancer. Dr. Shelia Santacroce, associate professor and the current Beerstecher-Blackwell Distinguished Professor of Health Care, is studying adolescents and young adults who survived childhood cancer.

Survival rates associated with childhood cancer have increased greatly in the last decade. However, this success can bring health problems that stem from cancer treatments. Once children are old enough to understand the fatal nature of their childhood disease and the ongoing implications for their future health they can develop post traumatic stress symptoms, such as nausea or a racing heart, that are triggered when returning to the hospital where they received treatment. Or they may have a sense that their future is foreshortened and thus take risks with their health and not adopt healthy lifestyle behaviors.

Often, cancer survivors feel highly anxious due to uncertainty about whether they will develop a second cancer or another serious health condition that can be attributed to the curative treatment they received. Santacroce has developed and tested an intervention aimed at helping adolescent and young adult cancer survivors and their parents think more positively about uncertainty surrounding health conditions that can arise later in life because of the cancer treatments.

“We wanted to help our young cancer survivors shift their view of the health education we offer in long term follow-up care from scary to empowering,” she said. “When survivors know what potential problems they face, they can take actions to protect and monitor their health rather than waiting until they develop symptoms.”

During the testing of the interventions, the adolescents and their parents received eight phone interventions designed to improve coping through anxiety-reducing communication skills and a systematic process for problem solving.

In Dr. Santacroce’s research, which was supported by a grant from the NIH National Cancer Institute, 80% of the parent participants had moderate-to-severe post traumatic stress symptoms. This finding highlights the importance of including parents and other close family members in oncology nursing research and clinical care.

Dr. Santacroce and her research team recently performed a pilot study looking at whether uncertainty and other sources of chronic psychological stress lead to cardiovascular disease in childhood cancer survivors.
that can be linked to uncertainty and chronic psychological stress. The cancer survivors are already at risk for future heart problems because of cancer treatments they received, and Dr. Santacroce seeks to find out if that risk is increased because of chronic psychological stress from cancer or from the current social context.

Post traumatic stress could cause these cancer survivors to avoid health care because the environment is upsetting and health professionals want to talk with the adolescents about their cancer. “We can’t change the treatments they received in the past to save their lives, but we can do things to relieve their psychological stress and to relieve post trauma symptoms that might be interfering with healthy behaviors or might be adding to their risk,” she said.

The researchers are studying childhood cancer survivors between 15 and 29 years old. In addition to having childhood cancer, the stressors for this age group include dealing with the bad economy, living through September 11 as a child, and struggling to afford school and find work.

Dr. Santacroce and her team examined three groups: adolescents with no exposure to a chronic illness, childhood cancer survivors, and the siblings of childhood cancer survivors.

They are exploring how a phone delivered intervention would differ from one developed for a Web site. “We are testing the principle of the idea of whether we can create a program that would be of value, and then we are examining whether we can get people to use it on a phone,” Dr. Mayer said.

In one study the smart phone version of CHESS is delivering tailored physical activity interventions to men and women with newly-diagnosed colon cancer when their treatment ends. Physical activity is important for this group because there is beginning evidence that a sedentary lifestyle contributes to the initial diagnosis of colon cancer and to an increased risk of recurrence after diagnosis.

Using a smart phone with the CHESS application, users can see graphical displays of their physical activity, receive audio reminders to exercise and get positive reinforcement when they do. In addition, CHESS provides information about colon cancer, monitoring for recurrence, and has a social support component that allows users to connect with others using the system.

The interventions delivered through CHESS are aimed at helping users to develop:

- competence in information gathering, decision-making and behaviors they are trying to change
- social support systems to help them deal with the cancer experience
- autonomy from regaining a sense of control over their lives

The researchers will compare colon cancer survivors that use the mobile CHESS system to those that get more traditional care to see if those in the CHESS group have more physical activity, weight loss, less distress and a better quality of life. The study is now recruiting patients, and the researchers should have some answers to these questions in the next two to three years.
The researchers collected demographic, medical, psychological and biomarker data from the participants and took saliva samples to analyze cortisol and dehydroepiandrosterone (DHEA). The adrenal gland releases the hormone cortisol in response to stress, and in this study cortisol morning rise and diurnal slope were 2 of 14 potential indicators of risk for future heart disease.

Dr. Santacroce and her team were not sure that busy adolescents and young adults would even enroll in a study that involved venous puncture or would do what the study required regarding collecting saliva samples for analysis. They found that not only were adolescents from each of the three groups eager to participate but they were also highly adherent to the study requirements for saliva sample collection and reporting the exact time and level of stress for each sample by text to the study cell phone. The researchers are currently analyzing data from the study and plan to continue this work in larger studies.

We can’t change the treatments they received in the past to save their lives, but we can do things to relieve their psychological stress and to relieve post trauma symptoms that might be interfering with healthy behaviors or might be adding to their risk.

IMPROVING PROGNOSIS

Understanding how breast cancer reoccurs or spreads is an important question for Assistant Professor Dr. Theresa Swift-Scanlan. “We use the term breast cancer, but it is deceptive because in reality there are many different types of breast cancer that all behave differently,” she said.

Research led by Dr. Charles Perou, an associate professor from UNC Healthcare’s Lineberger Comprehensive Cancer Center, was instrumental in identifying breast cancer subtypes by examining gene expression. It is now known that some risk factors such as environmental exposures and estrogen exposure affect subtypes differently. For example, women who breastfed multiple children for longer duration have a decreased risk of the basal-like breast cancer subtype but not a decreased risk for the luminal A subtype.

Today, population-based statistics are used to guide a patient’s treatment, to determine the risk of a tumor metastasizing, and to decide on what future screening is needed. For example, a patient may be told that a certain treatment is best because 30% of patients with the same kind of breast cancer have a reoccurrence. However, there has been no way to predict whether that patient would fall into the 30% or not.

To develop individualized information on breast cancer prognosis, Dr. Swift-Scanlan is studying epigenetic changes — changes in DNA that relate to its packaging in the cell rather than its primary sequence. She studies a specific epigenetic change known as DNA methylation in which a methyl group is added to DNA.

DNA methylation appears to be related to cancer and to occur early in the process of cells becoming cancerous. “For me, the potential promise is to identify methylated genes and use those as markers to improve prognosis,” she said. “I want to determine if methylation of specific genes is associated with cancers that either reoccur or metastasize.”

She is studying whether DNA methylation can be combined with information on breast cancer subtypes and environmental
exposures in a way that may ultimately reduce mortality in African-American women with breast cancer. Even though breast cancer doesn't occur as often in African-American women, those that do develop it are more likely to have complications or to die from the disease. African-American women are also more likely to be diagnosed at an advanced stage, to be premenopausal at diagnosis, and to have aggressive breast cancer subtypes.

Dr. Swift-Scanlan is still collecting data, but for some subtypes of cancer she is seeing patterns of DNA methylation that are specific to genes and/or cancer subtype. She plans to work with Dr. Perou and Dr. Robert Millikan, Barbara Sorenson Hulka Distinguished Professor in Cancer Epidemiology at the UNC Gillings School of Global Public Health, to validate the methylation markers she identifies. She will see if the differentially methylated genes she found with Perou correctly identify tumors by subtype or menopausal status in African-American women with breast cancer participating in the Carolina Breast Cancer Study. She will also be examining whether the methylated genes might predict which tumors are likely to recur or metastasize.

“In terms of recommendations and interventions we have a long way to go because we are still trying to understand a lot about the biology, but the data we have so far are encouraging,” said Dr. Swift-Scanlan.

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Dr. Swift-Scanlan's research is aimed at finding epigenetic changes that could provide individualized information on whether a patient's breast cancer is likely to reoccur or metastasize.
Obesity in children can lead to serious health problems such as type 2 diabetes. In 2004, the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) was concerned enough about rising rates of childhood obesity to call for research proposals aimed at reducing diabetes or the risk for the disease in middle school students. SON Research Professor Dr. Joanne Harrell answered that call and went on to become the principal investigator (PI) of the North Carolina site for the resulting HEALTHY Study.

This study tested whether a school-based intervention could lower risk factors for type 2 diabetes in middle school students. “It was a large study with sites across the U.S.,” Dr. Harrell said. “We had a variety of PIs — physicians, pediatricians, psychologists. I was the only nurse.” Study sites included 42 middle schools in seven areas of the U.S. — 4,600 students in all. North Carolina schools were in Dunn, Sanford, Nashville, Spring Lake, Rocky Mount and Roseboro.

“One of the major risk factors is obesity, so we targeted the students’ eating habits and physical activity as well as knowledge and attitudes about being active and leading a healthy lifestyle,” Dr. Harrell said. Participating schools had to agree to increase the time and intensity of their PE classes and change the food served in the cafeteria as well as the content of vending machines. Schools in the study had a high enrollment of children from low-income and/or minority families and were randomly assigned to either the control or intervention groups.

“If a visitor were to walk into one of the intervention schools they would immediately be aware that something was very different,” Dr. Harrell said. “There were posters, banners, excitement and healthier food in the cafeteria.” In addition, students spent more time in physical education, where they followed special lesson plans designed to keep the heart rate higher longer, keep them interested, and make sure everyone was active. They also had a behavior intervention in the form of a weekly class that addressed things such as changing eating habits and choosing activity.

RESEARCH FINDINGS
The researchers followed the sixth graders for three years, measuring weight, height and waist circumference; administering questionnaires; and drawing blood to measure glucose, insulin, and lipids. Their findings, published in the July 29 issue of the New England Journal of Medicine, showed that the number of overweight and obese students declined by about the same percent in intervention and control schools. “One reason we think that the intervention wasn’t as strong as we would have liked was that we really need parent involvement. In the school-based intervention it was really difficult to get parent involvement, but we need families to be active together and to try to eat as healthy as possible,” Dr. Harrell said.

However, the study had other important findings. For example, in intervention schools, children that were overweight or obese in the sixth grade had 21% lower odds of being obese at the end of the study. “We showed the extent of the problem and that there is a real need for a variety of actions to be done,” she said. The schools were very open to the intervention, she adds, but funding these types of interventions will be very difficult with the economic problems most schools are facing.

Harrell retired from the SON at the end of 2007 but has continued to finish the final parts of the HEALTHY Study such as publishing papers. “It was very exciting and difficult to work with so many sites,” she reflects. “The thing I enjoyed most was being in our N.C. schools and the wonderful staff that we had. The kids loved them and connected with them, and the schools responded so positively.”
RESEARCHERS PARTNER WITH GREENSBORO COMMUNITY TO TACKLE OBESITY

Obesity is a major problem in the U.S., and although many interventions have been developed and tested, they have had little effect on the overall problem. Assistant Professor Dr. Jennifer Leeman explains that health behaviors tied to obesity are some of the hardest health behaviors to change. “I think that working one on one with people is one piece to addressing obesity, but to really make a change we need to also work on changing environments and policy.”

Factors such as culture, environment and resources are very important in obesity prevention. For example, influencing diet and physical activity requires access to the right kind of food and places to exercise. People aren’t likely to make lifestyle changes that don’t align with their culture or wouldn’t be accepted by their family. Although changing the environment and policy is central to obesity prevention, the evidence base for how to effect change at those levels is limited.

Dr. Leeman and Dr. Mark Smith from the Guilford County Department of Public Health are co-principal investigators for a study that brings together academic researchers, public health specialists and the community into what is called a Healthy Lifestyles Learning Cluster. Working together, cluster members are developing obesity prevention interventions that are based on research and also fit the needs and culture of two high-poverty communities in the Greensboro, N.C. area consisting of predominantly African-American families. The work is funded by a $50,000 N.C. Translational and Clinical Sciences Institute (TraCS) grant.

Dr. Leeman notes that too often partnerships with communities involve researchers who have an idea and then find a community partner that is willing to test it. “What is distinctive about this work is that it really came from Greensboro,” she said. “It truly was the community’s idea.” Members of the community approached a colleague of Dr. Leeman’s asking for faculty who were willing to help, and Dr. Leeman agreed to join the project.

The UNC Chapel Hill researchers bring their knowledge of obesity research to the project, and the Health Department and other community groups bring their knowledge of the county, Dr. Leeman said. “The question is can you bring those two groups together to make an intervention that is based both in the evidence from research and also based in the knowledge of the community and what is going on in the Greensboro area?”

“So far, the project team has finished its assessment. They met with members of the community, drove through the neighborhoods, identified the primary institutions, and evaluated nearby grocery stores and restaurants. They even examined the roads, finding, for example, that a highway cutting through one neighborhood limits easy access to parks. Creating better access to parks or helping corner stores in the area stock healthy foods might be areas for intervention.

“Now we’re going back to key players in the neighborhoods to see where there is enthusiasm and interest around the areas that we’ve targeted as possible places to intervene,” Dr. Leeman said. ■
INNOVATIVE TEACHING

A VIRTUAL COMMUNITY ENHANCES THE LEARNING ENVIRONMENT

The Neighborhood gives students Virtual Case Studies

Nursing students at the UNC Chapel Hill SON are taught using the latest technology and teaching methods. One example is The Neighborhood, a virtual community developed by Dr. Jean Giddens from the University of New Mexico. The SON was part of the pilot trial for this teaching tool, which provides virtual case studies for undergraduate nursing classes.

The Neighborhood features families with variability in ethnicity, social-economic status, health conditions and social needs. Over the course of four semesters students become engrossed in the stories of more than 40 virtual individuals from 11 households. The community's hospital, health care providers, social workers and newspaper all play a role in the families' lives. “The Neighborhood is not meant to replace any teaching but to enhance it by adding characters that can be used as case studies,” said Clinical Associate Professor Dr. Shielda Rodgers.

Dr. Rodgers, Clinical Professor Dr. Carol Durham and the late Clinical Associate Professor Dr. Pauline Brown led UNC Chapel Hill’s participation in the pilot project. Dr. Rodgers uses The Neighborhood in her fundamentals of nursing class where she assigns five families for students to follow and “care for.” Each week, students make online visits to the community and are updated via videos, photos, medical records and text.

Dr. Rodgers said that The Neighborhood gives her students a way to link what they are learning with real-life situations. “Most of my students got really attached to one character and would speak about the characters in class as if they were real patients,” she said. Connecting learned concepts with virtual patients is particularly important for students in their fundamentals class since it has no associated clinical experience. Sometimes students make connections beyond their class assignment.

For instance, one day Dr. Rodgers discussed caregiver role strain using the example of a character that was caring for an elderly relative. After class a student asked if another character in the neighborhood — a teenager with two young children — could also be experiencing caregiver role strain. “I hadn't thought of that, and that character wasn't part of the assigned reading,” she said. “That student was reading all of the characters.”

To end the class Dr. Rodgers has students write a paper using a character out of the neighborhood instead of the traditional assignment of interviewing an elderly person. In a sort of virtual interview the students chose a character and examined his or her lifestyle, social outlets, etc. to answer questions for the paper. “Although it was challenging, the students, for the most part, did a really great job with this assignment,” she said. ■
THE CLASS OF 1960 CELEBRATES 50 YEARS

Members of the BSN Class of 1960 got together for a 50th reunion celebration in May. The experiences these women had of residing, studying and working together have bound them to each other in a most unique way. Their work in the hospital and time spent in the classroom helped shape the history of baccalaureate nursing education in our state. A luncheon at the SON, hosted by Dean Kristen Swanson, added to a full weekend of activities around the university. Row 1: Alice Spencer Shearin, Cathy Carden Long, Beverly Segee, Row 2: Miqui Reed, Marge Clendenin DeMoudt, Betty Tate Ginn, Lib Johnson Downey, Row 3: Jane Burt Williams, Claudia Barnes Deese, Charlene Fisher Askew, Jean Sutherland Pridgen

55 FOR ‘55: OUR FIRST GRADUATING CLASS RETURNS TO CHAPEL HILL

The Class of 1955 celebrated “55 for ‘55” as they returned to campus for a 55th reunion weekend. Classmates visited the SON and spent time with Dean Swanson. Row 1: Patsy Colvard Johnson, Janet Merritt Littlejohn, Sally Winn Nicholson, Joy Smith Burton Row 2: Dean Swanson, Gloria Huss Peele, Mary Anderson Leggette, Bette Davis, Donna Blair Booe, Geri Snyder Laport

SON ALUMNI BOARD MEETING

The UNC Chapel Hill School of Nursing Alumni Board or Directors had an all-day meeting on October 15. They started the day with a tour of the SON, heard about what was new from Dean Kristen Swanson, and learned about current research at the SON from Associate Dean for Research Kathleen Knafl (pictured). Later in the day, the board broke into working committees to prepare for the year ahead. Pictured here are LaDonna Howell (’78) and Pat Hayes (’67). The meeting ended with Greg Simpson (’01) turning the gavel over to Donna Laney (’80) and Roulhac Johnson (’00) being chosen as president-elect.

Alumni Board of Directors: Row 1: Robin Harper, LaDonna Howell, Pat Raynor, Anne Webb (Executive Director), Row 2: Megan Brazelton, Kathryn Jones (Secretary), Pat Hayes, and Mary Bue, Row 3: Cathy Long, Cheryl Gibson, Ashley Leak, Row 4: Donna Laney (President), Kay Slattery, Susan Andrews (Treasurer), Mary Holtzschneider, Monica Przybele, Meg Zomorodi, Row 5: Greg Simpson (President Emeritus) Adam Smith, Stewart Bond, Roulhac Johnson (President-Elect)
2010 AWARDS AND RECOGNITION RECEPTION

The UNC Chapel Hill School of Nursing held its Awards and Recognition Dinner on Oct. 15. Donna Laney (‘80) introduces the Alumni Award winners at the reception (see page 12 for details).

Dr. Sheila Santacroce talks about what it meant to her to come to the UNC School of Nursing as the Beerstecher-Blackwell Distinguished Professor of Health Care.

Dean Kristen Swanson joins the student ambassadors, who helped host the reception.

The reception gave scholarship recipients a chance to meet the donors of their scholarships. Leslie Davis (middle) is the recipient of the Jane Winningham Smith Endowed Doctoral Scholarship in Cardiovascular Nursing that Jim Smith (left) and Jane Smith (right) established.

Molly Allen and Virginia Seay (front) are the recipients of the Martha “Marty” Bumgarner scholarship established by Marty’s family in her memory. Virginia, Bill, and Katherine Bumgarner are pictured.
This year’s Alumni Day began with much reminiscing during reunion breakfasts for the BSN classes of 1970, 1980 and 1995. The day was filled with fun activities for alumni and their families. Members of the Association of Nursing Students applied Tar Heel tattoos, and student ambassadors led tours of the building, labs and human simulators. Everyone was delighted to have their picture taken with Rameses, who made a special visit to Alumni Day this year. The traditional lunch on the Carrington lawn was followed by an exciting Carolina Homecoming victory against William & Mary.
1981, 1990, 2005 SON Assistant Professor Beth Black, BSN ’81, MSN ’90 and PHD ’05, has been elected to the Hospice of Wake County Board of Directors. She hopes to give nursing a presence and voice on the board, which is important since end-of-life care is provided primarily by nurses.

1993, 2001 Tonya Rutherford-Hemming, BSN ’93, MSN ’01, of Loyola University Chicago is working with Dr. Jeanette Rossetti from Northern Illinois University to understand the effectiveness of simulation in nursing education. They are evaluating whether simulation facilitates a transfer of learning in clinical competency from the laboratory to clinical practice. Both are participants in the Sigma Theta Tau International Nurse Faculty Mentored Leadership Development Program.


2001 Heather Thompson Mackey, MSN ’01, was selected as the 2009 Advanced Oncology Certified Nurse of the Year by the Oncology Nursing Certification Corporation (ONCC). She won the award for her significant contributions to oncology nursing and service as well as for supporting and promoting certification in oncology nursing. She is a Nurse Practitioner at Winston-Salem Health/Novant Health.

2002 Erica Miller Cook, BSN ’02, and her husband Henry welcomed Henry Lee “Hank” Cook III into the world on July 7, 2010. Erica works at Carolinas HealthCare System’s MedCenter Air.

2005 Pam Bowman, BSN ’05, was one of 36 nurses to receive the 2009 Duke University Health System Friends of Nursing Excellence Awards. The awards recognize and honor Duke Medicine nurses for their extraordinary dedication and service. She also received the Wilma Minniear Award for Excellence in Nursing Mentorship, which is given to a registered nurse who demonstrates excellence in professional attributes, knowledge and interpersonal skills and who contributes significantly to the advancement of nursing practice through mentoring relationships that directly impact the professional growth and development of others.

In Memoriam
Shirley Lee Guenthner ’57
Jerry Hinson BSN ’58
Alice Gifford, early member of the SON faculty
Mary Kay Fletcher, BSN ’63
Toni Thompson Barfield, BSN ’63

Carolina nurses and sisters Debbie Dewees Baugh, ’70, Connie Beck Dewees, ’68, Johanna Dewees, ’77, and Becky Dewees Olson, ’74, were among the attendees at the Western North Carolina area SON alumni reception and educational session led by Dean Swanson in June.

Orlando area alumni Kathy Frank, ’76, Sue Issac, ’76, and Terri Kyle, ’84, participated in the “Heart Disease, Do you Know Your Risk?” session led by alumna Leslie Davis, ’85, ’89, in September.

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Giving by Class

1955
BSN
Donna Blair Booe
Joy Smith Burton
Gwenlyn Huss Butler
Winnie Williams Cotton
Bette Leon Davis
Patsy Colvard Johnson
Geraldine Snider Lapor
Mary Anderson Legette
Janet Merritt Littlejohn
Gloria Huss Pede
Louise Norwood Thomas

1956
BSN
Evelyn Farmer Alexander
Natalie Salter Baggett
Sally Smith Baldwin
Lee McCarter Cranford
Elizabeth Hamilton Darden
Landon Lewis Fox
Jane King Grizzard
Jessie Carraway Heizer
Emily Robeson Hubbard
Carolyn White London
Jane Kelly Monroe
Jane Suyder Norris
Billie Dobbs Rogers
Ruth Corwin Whitman

1957
BSN
Ruth Holmes Benedict
Mary Lou Norwood Booth
Frieda Bryant Brunt
Mary Ann Keeter Caston
Sarah Bue Coffey
Barbara McSwain Cox
Donna Doper Geiger
Shirley Lee Guenthner
Nancy Matthews Hamann
Jean Crisp Jackson
Anne Glenn Johnson
Martha Lente Levitan
Sara Burt Mursch
Katherine Randall Peck
Barbara Hedberg Self
Jane Palmer Smith
MSN
Audrey Joyce Booth

1958
BSN
Claudia Carstarphen Dixon
Carolyn Roberts Greene-Wright
Carol Suther Hall
Geraldine Y. Haynes
Gail G. Hudson
Marjorie Staub Mosher
Sally Price Ormand
Norma Cupp Prizer
Nancy Charles Rawl
Patricia Russell Raye
Frances Aden Read
Rosemary Lemmond Ritzman
Billie Williams Routh
Elizabeth Summer Sanders
Nancy Noble Smith
Mary Williams Stuppe
Kathryn Jones Walsh
Betty Lou Sorrell Winslow

1959
BSN
Jo Anne Lasley Alston
Atlene Williams Buckley
Shirley Hamrick Byrd
Julie Wendler Dameron
Elizabeth Nicholson Fisher
Diane Snakensburg Gordon
Julia Bryant Gregson
Julie Midyke Lowe
Jo Ann Sowers Mason
Martha Oliver Meeter
Phyllis Greer Nolan
Lois G. O’Keefe
Nancy Hege Paar
Virginia Hassell Poindexter
Patricia Kline Robertson
Celia Strader Sabiston
Anita Edwards Taylor
Mary Helen Shelburne Watkins
Faye Mewborn White

1960
BSN
Margaret Evans Adams
Harriett Zimmermen Beaven
Claudia Barnes Deese
Sara Elizabeth Garvin
Catherine Carden Long
Sylvia Rabb Lufkin
Jean Sutherland Prigden
Beverly Ann Segee
Judith Jones Southlander
Jane Burt Williams
MSN
Ruby Gilbert Barnes
Jacqueline Joann Taylor

1961
BSN
Ann Tolton Bergamo
Nancy Robison Dickinson
Sandra Regenie Haldeman
Carolyn Mayo Holloway
Ann Linville Jessup
Alice F. Keiger
Linda Ann Lewis
Karen Magnussen Mauro
Margaret Thompson McCain
Carolyn Nifong Morgan
Alice Kent Roje
Diana Lea Sowards
Patricia Long Vaughn
Mabel Broadwell Yelvington

1962
BSN
Paula Kirby Benway
Mary Alice Willerth Blevins
Lillian Ward Bryant
Judith Buxton Collins
Elsie Deana Cross
Beverly Desmond Davis
Ann Davison
Anne Hopkins Fishel
Shirley Snyder Frantz
Undine Casdale Garner
Nancy Gilliland
Mary Harrison Hall
Mae Van Zett Hiatt
Nancy Wills Hudlock
Sally Horton Jones
Patricia Ann Hunter Key
Celeste Lefvingfoid Loftin
Elizabeth Finley Macie
Carolyn Houchins Meyer
Elizabeth Chambers Payne
Ann Bennett Propert
Linda Trembath Reeder
Esther Mae Tesh

1963
BSN
Elaine Getman Bourdeaux
Katharine Pickrell Bryson
Robert Brown Feather
Barbara Caldwell Fletcher
Elizabeth Lusk Gregg
Faye Mills Haas
Mary Shaw Hambright
Mary Pleasants Hagg
Carol Elledge Koontz
Catherine Johnson Lee
Lynn E. Locher
Joyce Kaufman Moore
Carolyn Sue Morris
Laura Hawes Morrison
Linda Hutchins Myrick
Rhonda Thompson Pollard
Martha Tate Roberts
Margaret Sutton Wade
Barbara Jo Philbeck Warren
Eugenia Hruslsinski Weeks
Joanne Hogg Welborne
Judith Clifton Wright
MSN
Sylvia Rabb Lufkin

1964
BSN
Barbara Psag Brown
Mary Green Buie
Sharon W. Cervenak
Frances Booth Hart
Beverly Haynes Johnson
Dershe Bridgeford McDevitt
Jean Burley Moore
Margie Mayo Oldham
Laura Carlo Piver
Gaye Willard Petreet
Mary Coleman Rose
Mary Hamrick Saunders
Mary Roberts Shapiro
Betty Jones Sones
Lois McCauley Wagner
Linda Sitton Wadiburn
MSN
Jo Anne Lasley Alston
Marcia Singletary Brooks
Elizabeth Finley Macie

1965
BSN
Beth Ann Rendell Abbott
Nancy Ryan Caldwell
Sharon Kennedy Casey
Karen Hopkins Coley-Harrison
Jo Ann Zaron Hiti
Carole Ridgeway Hunter
Kathleen Garner O'Connell
Barbara Easkold Pringle
Margaret Weidel Sprott
Nancy Beasley Turner
MSN
Katherine Camilla Bobbitt
Roberta Brown Feather
Anne Hopkins Fishel

1966
BSN
Carole O'Brien Bordelon
Elizabeth Scovil Carlo
Mary Howard Dunn
Martha Zink Gibson
Karen Gunderson Hayward
Anne Barbee Houston
Kay Goodman McMullan
Leith Merrow Mullaly
Jeri Moser Oehler
Anne Whittaker Peedin
Elizabeth Cox Perry
Linda Fox Reeves
Suzanne Bennett Reilly
Sharon Ranson Thompson
Patricia Morris Turlington
Marie Phillips Williams
Rebecca Story Wilson
Paula Anne Yelverton
MSN
Amie Modigh
Rhonda Thompson Pollard

1967
BSN
Anne Elizabeth Belcher
Rene Clark
Patsy Rankin Cutchfield
Barbara Jo Loret Foley
Mary Bowsher Friedman
Olivia Womble Griffin
Patricia Dodson Hayes
Pamela Humphrey-Kloes
Marilyn Beaver Hutcheson
Rebecca Dawsey Johnson
Toni Cline Kenedy
Elizabeth Beattie Lewis
Carolyn Mitchell Martin
Oddie Browning Murray
Carolyn Buck Pearson
Margaret Ferguson Raynor
Shirley Spaugh Rosen
Susan Willey Spalt
Suzanne Lewis Tonski
Vivian Harris Varner
Carole Norman Willmot

1968
BSN
Judith Reavis Beauchamp
Lois Greenfield Boyles
Virginia Prigden Brown
Elizabeth Margaret Carr
Ethel Langston Crane
Carol Malcolm Davis
Kathryn Robinson Kuyendal
Joan Byrum McCormick
Sara Jane McVicker
Susanne Smith Newton
Miriam Mund Mound
Joan Frances Reinhart
Johana Renfro Roberts
Lynne Allred Rousseu
Frances Blackwell Smith
Linda Hamlin Titus

1969
BSN
Beverly Neal Barnette
June High Barzan
Christine Budd Cassidy
Judith Van Dyke Egg
Patsy Ruth Farlow
Judith Rogers Gibson
Marcia Somers Gore
Judith Hainsk Haupt
Jane Carey Karpick
Barbara Dunn Legler
Katherine Purcell Linthicum
Jo-Anne Towbridge Martin
Eddie Boykin Pope
Jennifer Carr Savitz
Nancy Nick Stephens
Betty Blankenship Thornton
Sylvia Caldwell Tomlin
Carol Cobb Williams
Jo Lentz Williams
Ann Coleman Woodruff
MSN
Donna Haase Dixon
Jane Mitchell Hayward
Leota Lovina Rolls

1970
BSN
Annette Beam
Nancy Gibbs Chapman
Joyce Schilke Cohen

Carolina Nursing
2009–2010 HONOR ROLL OF GIVING

Linda DiCenzo Lines
Pamela R. Jones Matthews
Janet Opp McPherson
Linda Dobb Morgan
Wanda Shelton Oakley
Catherine Clossinger Perry
Ann Marie Polk
George I. Rand
Pamela Jo Sorce
Suzanne Limparis Ward
Polly Ryan Wheless
Marguerite Fabert Wilson

MSN
Annette Beam
Elizabeth Johnson Burckett
Dorothy Nofoli Campbell
Betty Jean Haddock
Betsy Mickey McDowell
Susan Foley Pierce
Deborah Thompson

1976

BSN
Elizabeth Jane Abemathy
Bonita Craft Aycock
Elizabeth McKinney Bailey
Jonathan Culver Berman
Donna Davis Bost
Debra Huffman Brandon
Kathi Roberts Byrne
Mary Redfein Reed
Cynthia Reid Dearnin
Christine Helshbus Dismukes
Patti Barnes Farless
Mary Lou Cavinnes Fauxette
Dorothy DeWitt Fiddelman
Deborah Webb Frye
Cynthia Dalarn Garrett
Marsha Newton Golombok
Rachal Brugh Holmes
Sue Baker Isaac
Pamela Ellis Jameson
Christine Early Jones
Marcia Kastan Kaufman
Janis Hackney Labiner
Jimmy Dennan McCamie
Barbara Eddinger McNeill
Ann Elizabeth Morrow
Shue Shaw Morrow
Mary Spencer Palmer
Jane McNis Morgan
Linda Garner Phillips
Mary Victorie Spainhour
Joyce McKeon Wyna

MSN
Elizabeth Margaret Carr
Linda Cade Haber
Sue Greenwood Head
Patty Sue Sanders
Susan Wells Taylor
Jo Willoughby Terry
Diane Carol Wilson

1977

BSN
Susan G. Baker
Constance Waddell Beckom
George Washington Butcher III
Pamela Ann Couey
Denise Taylor Darden
Susan Benbow Dawson
Johanna Ruth Dewees
Judith Fortrington Dingfelder
Natalie Cusumon Gray
Linda Allen Hammet
Linda Sherman Kinel
Melissa Ann D. LeVine
Kathy Cudiff Levy
Susan Perry Lineberry
Margaret Ann May
Scarlott Kimball Mueller
Susan Gatlin O’Dell
Kathi Roberts Byrne
Lynn Peacock Spaw

1979

BSN
Janet Boggis Arthurs
Cheryl Banks Batchelor
Sally A. Bulla
Syvi Summers Burke
Miriam Owen Chitty
Brenda Wallace Cumpston
Mary Susan Curts
Sally Kaye Dove
Mary Ann Yenc Gaster
Dorothy Christine Gutierrez
Millicent Hecht Hair
Barbara Gregory Hardin
Martha Mickle Henderson
Carol Leigh Hile
Janice Joyce Hoffman
Kia Walker Jones
Mary Haxton Kinard
Jennifer Elesha Manning
Vandy Bass Matthews
Patricia Wilson McRae
Nancy hudgins Morrow
Cindy Andes Nance
Kathryn King Perkins
Carol Benbow Seggerty
Barbara Ann Senich
Cynthia Perry Waddell
Deborah Watrer Watson
Patricia Bowling Watson
Sharon Marlowe Weynand
Kimberly Collins Woodard

MSN
Susan Huffman Gordon
Gail Lanterman Heaberg

1980

BSN
Wille Elizabeth Breeze
Wanda Brewer Britt
Marie White Byerly
Terri Cameron Capps
Linda Rebecca Causey

2009–2010 HONOR ROLL OF GIVING

Allene Fuller Cooley
Linda Page Delbridge
Lynda Law Harrison-Wilson
Kathryn Minton Holliday
Virginia Lane
Joyce Smiley Matthews
Alene M. Mercer
Janet Middleton Moore
Barbara Ann Nettles-Carlson
Phyllis Walker Newman
Naomi Foreman Nimmo
Sallie O’Keef Simpson
Kay Wagoner

MSN
Elizabeth Scovil Carlo
JoAnn Foust Cardarella
Patsy Littlejohn Hawkins
Gwendolyn Dorminey Sherwood
Vivian Harris Varner

1971

BSN
Nancy Nelson Caddy
Lynn Grier Coleman
Judith Barnes Gardiner
Kerry Allen Hensley
Sylvia Montezh Ledford
Catherine Packard Lucata
Linda Adams McCauley
January McNiell Hartkins
Doris Ann Dixon Reavis
Elizabeth Moate Robinson
Marian Crane Sharpe
Deborah Thompson
Mary Vallier-Kaplan
Carole Barrow Warren
Mary Grace Crist White

MSN
Nancy Matthews Hamann
Russell Eugene Tranbarger

1972

BSN
Ann Everhart Bailey
Linda Santorum Byers
Martha Robbins Sadler Dungey
Beverly Tedder Eckel
Nina Whitaker Hackney
Betsy Newton Herman

1973

BSN
Ann Davis Brown
Anne Smith Cole
Cynthia Lee Earheart
Teresa Weaver Foster
Susan Barrett Freeman
Margaret Wagner Gilliam
Betty Jean Haddock
Claudia Cagle Hayes
Judith Hartshfield Iannuzzi
Maryann Patterson Ingersoll
Carolyn Morgan Inman
Debra Gay Kiser
Susan Ruppalt Lantz
Colleen Hamilton Lee
Patricia Shaffer Lewis

1974

BSN
Margaret Folsom Alings
Ann Cory Braswell
Deborah Jane Carpenter
Gladess Hudspeth Cripps
Colleen Anna Dickens
Rosemary Vants Eudick
Susan Huffman Gordon
Cathy McGonigle Hamill
Frieda Byrion Harrington
Jacqueline W. Herrman
Deborah Powers Hoy
Beverly Smith Johnson
Jeanne Arrington Krieger
Jane Mayes Link
Julia McGlancy Marshall
Brenda Ray Martin
Wendelin Jones McBride
Laura Britton Michael
Rebecca Dewees Olson
Ona Mercer Pickens
Sara Rollins Ramsey
Carolyn Tripplet Robinson
Laura McLeod Sorrell
Brenda Gail Summers
Patsch Cupperth Thorbird
Diane Carol Wilson
Kathryn Payne Wueste

MSN
Laureen Sue Fairon
Nancy Siegel Katisch
Lynne Alfred Rousseau
Judith Jones Sotherland
Rebecca Story Wilson

1975

BSN
Jean Gail Allen
Martha Hais Bramlett
Premo Nese Comeaux III
Stephanye Keneyer Henderson
Catherine F. Heron
Ann Cox Hutchins
Peggy Cabe Kuppers
Samuel Lee Lewis
Kathleen Honer Marshall
Gaynelle Bass Nichols
Evelyn Rose Paul
Carol Elizabeth Powell
Sheila Arrington Prevatt
Diane Marie Shaffer
Elizabeth Smith Tilley
Sally Tapp Wilford

1976

BSN
Elizabeth Jane Abemathy
Bonita Craft Aycock
Elizabeth McKinney Bailey
Jonathan Culver Berman
Donna Davis Bost
Debra Huffman Brandon
Kathi Roberts Byrne
Mary Redfein Reed
Cynthia Reid Dearnin
Christine Helshbus Dismukes
Patti Barnes Farless
Mary Lou Cavinnes Fauxette
Dorothy DeWitt Fiddelman
Deborah Webb Frye
Cynthia Dalarn Garrett
Marsha Newton Golombok
Rachal Brugh Holmes
Sue Baker Isaac
Pamela Ellis Jameson
Christine Early Jones
Marcia Kastan Kaufman
Janis Hackney Labiner
Jimmy Dennan McCamie
Barbara Eddinger McNeill
Ann Elizabeth Morrow
Shue Shaw Morrow
Mary Spencer Palmer
Jane McNis Morgan
Linda Garner Phillips
Mary Victorie Spainhour
Joyce McKeon Wyna

MSN
Elizabeth Margaret Carr
Linda Cade Haber
Sue Greenwood Head
Patty Sue Sanders
Susan Wells Taylor
Jo Willoughby Terry
Diane Carol Wilson

1977

BSN
Susan G. Baker
Constance Waddell Beckom
George Washington Butcher III
Pamela Ann Couey
Denise Taylor Darden
Susan Benbow Dawson
Johanna Ruth Dewees
Judith Fortrington Dingfelder
Natalie Cusumon Gray
Linda Allen Hammett
Linda Sherman Kinel
Melissa Ann D. LeVine
Kathy Cudiff Levy
Susan Perry Lineberry
Margaret Ann May
Scarlott Kimball Mueller
Susan Gatlin O’Dell
Kathi Roberts Byrne
Lynn Peacock Spaw

1979

BSN
Janet Boggis Arthurs
Cheryl Banks Batchelor
Sally A. Bulla
Syvi Summers Burke
Miriam Owen Chitty
Brenda Wallace Cumpston
Mary Susan Curts
Sally Kaye Dove
Mary Ann Yenc Gaster
Dorothy Christine Gutierrez
Millicent Hecht Hair
Barbara Gregory Hardin
Martha Mickle Henderson
Carol Leigh Hile
Janice Joyce Hoffman
Kia Walker Jones
Mary Haxton Kinard
Jennifer Elesha Manning
Vandy Bass Matthews
Patricia Wilson McRae
Nancy Hudgins Morrow
Cindy Andes Nance
Kathryn King Perkins
Carol Benbow Seggerty
Barbara Ann Senich
Cynthia Perry Waddell
Deborah Watrer Watson
Patricia Bowling Watson
Sharon Marlowe Weynand
Kimberly Collins Woodard

MSN
Susan Huffman Gordon
Gail Lanterman Heaberg

1980

BSN
Wille Elizabeth Breeze
Wanda Brewer Britt
Marie White Byerly
Terri Cameron Capps
Linda Rebecca Causey

Winter 2010
Carolina Nursing
THE SCHOOL OF NURSING BY THE NUMBERS

690 TOTAL ENROLLMENT FALL 2010

- BSN: 376
- MSN: 239
- PHD: 55
- POST-MSN: 20

There are over 7,600 UNC SON alumni, and all are members of the SON Alumni Association.

- Percent of SON students passed the NCLEX test on the first try between January and June 2010.
- Percent of BSN students enrolled in the 2009–2010 academic year were male.
- Percent of BSN students in 2009–2010 were persons of ethnic/racial diversity.
- Faculty members have funded research projects.
- Number of participants in 54 Area Health Education Center programs taught in the 2009–2010.
- Number of Center for Lifelong Learning programs in 2009–2010.
- Year that the first class graduated from the SON.
- It cost $15.3 million to operate the School of Nursing in 2009–2010.
- Percent of operating costs comes from the State of North Carolina.
- Percent of UNC–CH faculty will be eligible for retirement within the next five years; 75% will be eligible within 10 years.
- Million: total SON endowment funds.
- Cumulative decrease in state funding of the SON since 2009.
- In student scholarships were awarded from the SON Foundation, Inc. in 2009–2010 (does not include the UNC foundation).
2011 Carolina Summer Research Institutes & Courses

**JUNE**

**Qualitative Analysis 1: Empirical/Analytical Methods**
Margarete Sandelowski, PhD, RN, FAAN

**Developing Competitive Intervention Studies**
Merle Mishel, PhD, FAAN
Sue Thoyre, PhD, RN

**Writing Research Grants**
Sandra Funk, PhD, FAAN
Elizabeth Tornquist, MA, FAAN

**JULY**

**Qualitative Analysis 2: Phenomenological & Narrative/Discourse Methods**
Margarete Sandelowski, PhD, RN, FAAN

**Outcomes Measurement**
Mary R. Lynn, PhD, RN
Richard W. Redman, PhD, RN

**Researching Health Policies to Advocate for Change**
Diane Kjervik, JD, RN, FAAN

**JULY**

**16th Annual Institute in Qualitative Research: Mixed-Methods Research**
Margarete Sandelowski, PhD, RN, FAAN
Mi-Kyung Song, PhD, RN

**Family Research: Conceptual & Methodological Issues**
Kathleen Knafl, PhD, FAAN
Marcia Van Riper, PhD, RN

**AUG.**

**Instrumentation: Development, Testing, & Revision**
Mary R. Lynn, PhD, RN

For more information call: (919) 966-3638.
Visit our website at: [http://nursing.cll.unc.edu](http://nursing.cll.unc.edu)