



**East Carolina University | Board of Trustees
Health Sciences Committee Meeting
April 27, 2017 | Agenda**

- I. Approval of February 16, 2017 Minutes Action

- II. Health Sciences Division - Dr. Phyllis Horns Discussion
 - A. Research Highlights - Dr. Kathryn Verbanac
 - B. School of Public Health Update - Dr. Phyllis Horns
 - C. School of Dental Medicine - Dr. Phyllis Horns Action

- III. Brody School of Medicine Update—Dr. Nicolas Benson
 - A. Associate Dean of Research & Graduate Studies Search - Dr. Nicholas Benson
 - B. BSOM Research Action Plan - Dr. Nicholas Benson
 - C. UME & GME Expansion Plan - Dr. Nicholas Benson
 - D. ECU Physicians Financial Performance - Mr. Brian Jowers

- IV. Closed Session

- V. Health Sciences Informational Updates Information
 - A. College of Allied Health Sciences
 - B. College of Nursing
 - C. School of Dental Medicine
 - D. Laupus Library
 - E. Brody School of Medicine

East Carolina University
Board of Trustees
Health Sciences
April 27, 2017

Session	Health Sciences
Responsible Person	Vern Davenport, Chair
Agenda Item	I.
Item Description	Approval of minutes – February 16, 2017
Comments	
Action Requested	Approval
Disposition	
Notes	

Health Sciences Committee – Open Session
ECU Board of Trustees
February 16, 2017
Murphy Center

Board Members Present:

Vern Davenport (Committee Chair)
Deborah Davis (Committee Vice Chair)
Edwin Clark (Committee Member)
Mark Copeland (Committee Member)
Max Joyner (Committee Member)
Danny Scott (Committee Member)
Ryan Beeson
Leigh Fanning
Steve Jones
Kel Normann
Bob Plybon
Kieran Shanahan

Others Present:

Chancellor Staton	Ron Mitchelson
Michael Abramowitz	Rick Niswander
Bill Bagnell	Mark Notestine
Libby Baxley	Bob Orlikoff
Nicholas Benson	Donna Payne
Sylvia Brown	Stacie Tronto
Gregory Chadwick	Michael Van Scott
Steve Duncan	Gary Vanderpool
Amy Ellis	Kathy Verbanac
Virginia Hardy	Holly West
Jim Hopf	Amanda Williams
Brian Jowers	Paul Zigas
Beth Ketterman	

Recorder: Cindy Reaves

Call to Order and Approval of Minutes:

Mr. Davenport called the meeting to order at 11:00 am and read the conflict of interest statement required by the State Government Ethics Act. No conflicts were identified. The minutes of November 10, 2016 were approved.

Health Sciences Division Update:

Dr. Benson provided the update for the Health Sciences Division. He recognized Dr. Pories being honored as an “Icon in American Surgery”. He is the first NC surgeon to receive this honor from the American College of Surgeons. This honor was given for his work in diabetes research that provided evidence that bariatric surgery can put an end to insulin shots for people with type 2 diabetes who are obese and lead to a long-term remission of their diabetes symptoms. Dr. Benson also referred to ECU News Services’ recent article that detailed how the College of Nursing is helping health departments and other health care providers ensure the availability of screening and treatment for sexually transmitted diseases. Dr. Benson referenced the Promises Made/Promises Kept document included in the packets that outlines how BSOM is meeting their mission and what they need to continue their legacy of success to the benefit of NC and its citizens.

Brody School of Medicine Dean Search Update:

Dr. Brown provided an update on the BSOM Dean Search status. The search committee completed 6 videoconference interviews in January. Two candidates were unanimously recommended by the committee to bring in for campus interviews. Dr. David Zvara, Professor and Chair of the Dept of Anesthesiology at UNC CH, will be visiting on February 19-21. Dr. Michael Richards, Department Chair of Emergency Medicine, Executive Physician-in-Chief for UNM Health System, Chief Strategy Officer and Chief Clinical Affairs Officer for the Health Science Center at the University of New Mexico, will be visiting on February 27-28.

Brody Expansion Status – Dr. Elizabeth Baxley

Dr. Baxley presented an overview of the BSOM plans for expansion. BSOM graduating classes of 1990-2010 data reflects that 55% are practicing in primary care five years after graduation, which is higher than other schools within the state. Brody expansion principles include: building on the existing mission; focusing on rural training that supports the shared vision of the BSOM and Vidant Health to become the national model for rural health and wellness; and, expanding and improving care provided in regional hospitals, practices and communities through integration of medical education. The planned medical student expansion plan includes: increasing from 80-120 students/year in an incremental fashion; further develop pipeline programs for student recruitment; develop regional campuses in eastern NC communities; increase training experiences in rural communities for all students; and, acquire the necessary new medical education building. A group from BSOM will be visiting other campuses in the region soon to model their plan after. Board members are important advocates for requesting expansion of medical school funding and the state plan to expand graduate medical education.

ECU BOT Health Sciences Committee Action:

This requests that the Health Sciences Committee approve the following motion:

I move that:

- the ECU Board of Trustees approve the integration of ECU Physicians clinical practice with that of Vidant Medical Group, LLC into VECU Medical Group, Inc. and
- authorize Chancellor Cecil P. Staton to execute such documents as are necessary to complete said integration, including but not limited to execution of a document substantially similar to the proposed Integration Agreement, as it may be reasonably modified with the completion, insertion and/or attachment of terms, provisions, exhibits and schedules, not inconsistent with the terms presented in the Board materials.

The motion passed unanimously.

Meeting adjourned at 12:30 p.m.

East Carolina University
Board of Trustees
Health Sciences
September 29, 2016

Session	Health Sciences
Responsible Person	Phyllis Horns, Vice Chancellor for Health Sciences
Agenda Item	II.
Item Description	Health Sciences Division Update
Comments	
Action Requested	Information (Action for Item II.C.)
Disposition	
Notes	A. Research Highlights - Dr. Kathryn Verbanac B. School of Public Health Update - Dr. Phyllis Horns C. School of Dental Medicine - Dr. Phyllis Horns

HEALTH SCIENCES DIVISION RESEARCH HIGHLIGHTS

Brody School of Medicine/ East Carolina Diabetes and Obesity Institute

R01 by Joseph M. McClung, PhD

Joseph M. McClung, PhD. was recently awarded a 5-year award from the National Heart, Lung and Blood Institute in the amount of \$1,901,154.00 to study one of the most under-recognized aspects of cardiovascular disease, peripheral arterial disease (PAD). There are currently few effective treatments for PAD in general, but particularly for the most severe manifestation of the disease known as Critical Limb Ischemia (CLI). This grant will use genetics to identify the reasons why some patients are more likely to develop CLI than others, and investigate communication between differing cell types in the diseased tissue. The lab will use a "culture-to-clinic" approach, utilizing cells and animal models of the disease in conjunction with tissue from CLI patients. Given the stark lack of success of traditional surgical approaches for CLI, the goal of this project will be to develop new therapeutics to promote limb/tissue salvage. The research is being conducted in the East Carolina Diabetes and Obesity Institute and the East Carolina Heart Institute. Dr. McClung is an Assistant Professor in the Departments of Physiology and Cardiovascular Sciences. The research team also includes Drs. Dean J. Yamaguchi (Cardiovascular Sciences) and Terence E. Ryan (Physiology).

East Carolina Diabetes & Obesity Institute

The East Carolina Diabetes & Obesity Institute facilitates and supports research on diabetes and related to metabolic disorders. Faculty and trainees are engaged in research in two broad categories: 1) basic science to uncover the underlying mechanisms causing, and potential therapeutic targets for treating, diabetes and related diseases, and 2) novel strategies to prevent and/or treat metabolic diseases at the clinical and community intervention levels. Over the past 3 years (FY13-14 to FY15-16), grant funding in the main basic science research facility (4th floor of ECHI) increased from \$1.6 million to over \$4 million dollars, and total research funding increased from \$4.4 million to \$9.1 million dollars. ECDOI is currently searching for an Associate Director to a concerted effort across multiple colleges/departments/centers (Brody School of Medicine, College of Allied Health Sciences, College of Nursing, School of Dental Medicine, College of Health and Human Performance, Center for Health Disparities, Pediatric Healthy Weight and Treatment Center, etc.) to grow research in obesity/diabetes prevention, coordinating with Vidant Medical Center and other local and state research programs in North Carolina.

College of Allied Health Sciences

Dr. Anne Dickerson is a Professor in the Department of Occupational Therapy. ***She has received over \$400,000 in funding over the past two years*** from AAA Foundation for Traffic Safety, American Occupational Therapy Association, and most recently National Highway Traffic Safety Administration to develop projects designed for healthy, community-based older adults to maintain their driving abilities as they age. With the AA Foundation funds, she and her collaborators developed the program “Driving Check-Up” - a one-hour evaluation of ***driving skills*** designed for driving instructors to use within a community. Her work with NHTSA and AOTA expands the services of the occupational therapist by developing the tools and resources to expand the generalist role in meeting the driving needs of the medically-at-risk older adults. Most recently, her work with NHTSA involves use of navigational devices with older drivers. First through a well-controlled study, they found that drivers made less mistakes with GPS than paper. Taking these findings, they are now training older adults with GPS to improve safety.

Dr. Ning Zhou is an assistant professor in the Department of Communication Sciences & Disorders and has an ***R03 grant funded by the NIH - National Institute of Deafness and other Communication Disorders***. Dr. Zhou’s research area is cochlear implants. A cochlear implant is a medical device that is surgically placed inside of a deaf person’s ear to help restore hearing in that person. The electrodes of a cochlear implant send out electrical pulses to directly stimulate the auditory nerve. People with cochlear implants hear “electrically” rather than “acoustically.” There is a lot variability in the outcomes with this technology, partly due to the fact that the auditory nerve degenerates upon deafening, and this degenerative process is different among deafened people. The main goal of Dr. Zhou’s grant is to find ways to non-invasively assess the condition of the auditory nerve in cochlear implant patients, and examine whether people with poor nerve condition would do worse with this technology. Even within ears, the nerve fibers that code certain frequencies might be different than others in terms of “healthiness.” Therefore, a cochlear implant patient might have some electrodes that work better than others. The project also aims to examine whether deactivating electrodes that are close to these unhealthy areas would help improve speech recognition. Dr. Zhou’s research has significant clinical implications for improving communication abilities of individuals with cochlear implants.

School of Dental Medicine

The School of Dental Medicine completed build-out of research laboratory space in the fall of 2016, in concert with strategic planning for future research directions. The new laboratories provide collaborative space for research in microbiology and immunology, oral cancer, and bioengineering. Coincident with occupation of the new research space, research faculty hires are underway. **Dr. Ramiro Murata, associate professor in the Department of Foundational Sciences**, a dentist with research training in pharmacology and microbiology, joined the SoDM faculty in September 2016. He is the first occupant of the new research space, ***bringing equipment and extramural funding to move his research program to the SoDM***. Dr. Murata's research focuses on host-biofilm interactions in the immunosuppressed host; he comes from the University of Southern California, bringing funding via a sub award from this institution. This project, entitled Exploiting Interspecies/Interkingdom Communication for the discovery and development of Novel Natural Products and Antifungal Therapeutics, is supported by the NIH for an award total of 587,352.38 over two years. The objective of this work is to discover and develop natural product based agents as novel antifungal therapeutics using a co-culture strategy by culturing *Candida albicans* with individual organisms from large, well characterized bacterial and fungal collections. The hypothesis is that mimicking the natural competition between two organisms will trigger the biosynthesis of the silent secondary metabolism pathways that will be able to inhibit *C. albicans* growth.

The new research labs complement the Clinical Research Center already operational on the second floor of Ross Hall. Clinical research complements the bench research, focusing on oral complications of cancer therapy, and includes two industry-sponsored clinical trials focused on mucositis: "A Phase 2, Randomized, Double-Blind, Placebo-Controlled, Multi-center Trial of the Effects of Intravenous GC4419 on the Incidence and Duration of Severe Oral Mucositis (OM) in Patients Receiving Post-Operative or Definitive Therapy with Single-Agent Cisplatin plus IMRT for Locally Advanced, Non-Metastatic Squamous Cell Carcinoma of the Oral Cavity or Oropharynx" sponsored by Galera, Inc. and "A Phase 2, Multicenter, Randomized, Double-blind, Placebo-controlled, Study to Assess the Safety and Efficacy of Topically-applied AG013 for the Attenuation of Oral Mucositis in Subjects with Cancers of the Head and Neck Receiving Concomitant Chemoradiation Therapy" sponsored by Oragenics. The latter clinical trial will evaluate a novel genetically modified organism for the attenuation of oral mucositis in subjects with head and neck cancer receiving concurrent radiation and chemotherapy, with ***Drs. Gordon and Murata collaborating***.

East Carolina University
Board of Trustees
Health Sciences
September 29, 2016

Session	Health Sciences
Responsible Person	Nicholas Benson, Interim Dean, Associate Vice Chancellor for Healthcare Regulatory Affairs, & Medical Director, ECU Physicians
Agenda Item	III.
Item Description	Health Sciences Division Update
Comments	
Action Requested	Information
Disposition	
Notes	A. Associate Dean of Research & Graduate Studies Search - Dr. Nicholas Benson B. BSOM Research Action Plan - Dr. Nicholas Benson C. UME & GME Expansion Plan - Dr. Nicholas Benson D. ECU Physicians Financial Performance - Mr. Brian Jowers

East Carolina University
Board of Trustees
Health Sciences
April 27, 2017

Session	Health Sciences
Responsible Person	Vern Davenport, Chair
Agenda Item	VI.
Item Description	Closed Session
Comments	
Action Requested	
Disposition	
Notes	

East Carolina University
Board of Trustees
Health Sciences
April 27, 2017

Session	Health Sciences
Responsible Person	Phyllis Horns, Vice Chancellor for Health Sciences
Agenda Item	V.
Item Description	Health Sciences Informational Updates
Comments	
Action Requested	Information
Disposition	
Notes	A. College of Allied Health Sciences B. College of Nursing C. School of Dental Medicine D. Laupus Library E. Brody School of Medicine

Students in Health Services and Information Management Promote Patient-Centered Primary Care

An internship program in East Carolina University's Department of Health Services and Information Management is allowing students to lead a movement toward patient-centered care in primary care clinics across the East.

Funded by the Kate B. Reynolds Foundation, the program places senior, undergraduate students in clinics seeking a designation as *patient-centered medical homes*. Dr. Bonita Sasnett, who leads the program, calls this "a holistic approach to providing care" that leads to patient empowerment.

The goal is to assist rural practices that are largely without quality teams or information technology specialists. Of the dozen students who have taken the internship, seven are currently serving in primary care, outpatient practices in Beaufort, Lenoir, Martin and Pitt counties.

The Department of Health Services & Information Management includes undergraduate programs in Health Services Management and Health Information Management, a master's program in Health Informatics and Information Management, and six graduate certificate programs.

College of Allied Health Sciences Sponsors Symposium on Healthcare Workforce Diversity

Developing a healthcare workforce that better represents the diverse population it serves was the focus of the 13th annual Jean Mills Health Symposium that was held on February 24 on the Health Sciences campus.

"This symposium is all about student success, community outreach, and the transformation of eastern North Carolina," said Dr. Robert Orlikoff, dean of the College of Allied Health Sciences, which hosted the event. "In short, what this symposium addresses are the three major portions of our mission at ECU."

This year's symposium featured a keynote address by Dr. Kendall Campbell, who directs the Research Group for Underrepresented Minorities in Academic Medicine at the Brody School of Medicine, and a luncheon presentation by Dr. Brenda Armstrong, who serves as the Associate Dean for Admissions at the Duke University School of Medicine.

Dr. Ann Chester, a faculty member and administrator at West Virginia University, presented a successful rural model that she initiated to assist underrepresented high school students succeed in STEM-based degree programs.

A front-page news story detailing the symposium appeared in Greenville's *Daily Reflector*.

Accomplishments & Accolades from Allied Health Sciences:

- Dr. W. Leigh Atherton, assistant professor in the Department of Addictions & Rehabilitation Studies, was selected as a **2017 Scholar-Teacher**, recognizing his excellence in integrating scholarship and teaching. Dr. Atherton directs the M.S. program in Clinical Counseling, and coordinates the Substance Abuse Counseling certificate program.
- Dr. Toyin Babatunde, assistant professor in the Department of Nutrition Science was selected as a **fellow for the 2017-2018 cohort of Professional Mentoring Skills Enhancing Diversity (PROMISED)**. By completing this one-year program, Dr. Babatunde will receive a Certificate in Leadership from the Institute for Clinical Research Education at the University of Pittsburgh.
- The College of Allied Health Sciences held its **fourth annual Scholarship Celebration** during an April 4 luncheon at the Rock Springs Center. Thirty scholarships totaling over \$105,000 were awarded to 65 deserving students for the 2017-2018 academic year.
- Six CAHS faculty were among the 68 ECU faculty recognized by Chancellor Staton as **2017-2018 University Scholars**. University Scholars Charles Ellis, Jamie Perry, and Balaji Rangarathnam are faculty members in the Department of Communication Sciences and Disorders; Young Kim is an assistant professor in the Department of Occupational Therapy; Virginia Stage is an assistant professor in the Department of Nutrition Science; and Richard Willy is an assistant professor in the Department of Physical Therapy. University Scholars are faculty members whose achievements in research and scholarship during the previous year places them in the top 5% of their peers at ECU.
- Three Nutrition Science students were among only 21 across ECU that received a **Spring 2017 Undergraduate Research & Creativity (URCA) Award**. Faculty members Michael Wheeler, Ian Hines, and Virginia Stage in the Department of Nutrition Sciences served as research mentors for these students.
- Seventeen graduate students in the Department of Addictions & Rehabilitation Studies were inducted into the **Chi Sigma Iota international honor society**. CSI recognizes academic and professional excellence in the profession of counseling.
- Several students and faculty members from the departments of Occupational Therapy and Physical Therapy participated in ECU's first **TechnoQuest**, a collaborative STEM outreach event for 140 Girl Scouts. TechnoQuest provided an opportunity for the girls to meet several accomplished female students and professionals and to envision themselves in STEM-related careers.
- In response to a request from UNC President Margaret Spellings, Dean Robert Orlikoff, along with the other health deans in the UNC system, developed and submitted a **plan of action** to coordinate academic efforts with initiatives to meet the current and future healthcare workforce needs of North Carolina.
- Twenty-six students representing Nutrition Science, Health Services & Information Management, Occupational Therapy, and Communication Sciences & Disorders were inducted into the **Honor Society of Phi Kappa Phi**. The Society recognizes and promotes academic excellence in all fields of higher education and engages the community of scholars in service to others.

East Carolina University
College of Nursing
April 2017

- The College of Nursing inducted 10 members into its Hall of Fame on Friday, March 31, during a ceremony held at the Hilton Hotel Greenville. The event, which also recognized the college's 2017 Distinguished Alumnus, honors outstanding contributors to nursing in the areas of education, administration, research and practice. The Hall of Fame has raised approximately \$94,000 for a merit-based student scholarship fund since its inception in 2011. <http://blog.ecu.edu/sites/ecunow/blog/2017/04/04/college-of-nursing-inducts-10-into-hall-of-fame/>
- The East Carolina College of Nursing received the Employer Support of the Guard and Reserve Pro Patria award on March 25. The award, presented annually by each ESGR state committee, is to employers who have demonstrated the greatest support to Guard and Reserve employees through their leadership and practices, including adopting personnel policies that make it easier for employees to participate in the National Guard and Reserve. A story will be posted on the ECU homepage soon.
- The college's interprofessional study abroad program and ongoing partnership with a nursing school in Nicaragua resulted in a published study about how both schools can grow their teaching methods to better fit the needs of their students and their communities. The study, authored by faculty from the College of Nursing and the National Autonomous University of Nicaragua-Leon Nursing School, was published in the April issue of Nurse Education Today. <http://www.ecu.edu/news/NicaraguaNursing.cfm>
- Nurse practitioner students in the Doctor of Nursing Practice Program and medical students from Brody School of Medicine participated in a two-week trip to Nicaragua in February alongside nursing and medical faculty to provide health care by staffing primary care clinics and specialty care for cardiology, HIV, and obstetrical patients
- Through a three-year, \$2.1 million grant from the Versant Center for the Advancement of Nursing, or VCAN, College of Nursing faculty are developing a network of researchers across the country to specialize in research that advances the understanding of how nurses influence safety and quality in health care as well as organizational sustainability and economic success. Grant administrators recently awarded \$200,000 to fund research awards for university faculty and doctoral students who participated in a national, competitive application process. <http://www.ecu.edu/cs-dhs/nursing/news/2-10-17.cfm>
- Dr. Ann Schreier from the College of Nursing was selected as one of this year's winners of the ECU 5th Annual ECU Distinguished Graduate Faculty Mentor Award.
- Three BSN to DNP students, Melissa Peeler, Rebecca Smith and Sarah Tapscott

were, were awarded first place in the ECU REACH Initiative proposal competition. Proposals were submitted by faculty, residents, fellows, students, staff and community physicians. The proposal first place was announced today at the ECU Unified Quality Improvement Symposium.

- Dr. Pam Reis and Dr. Rebecca Bagley will be inducted as Fellows of the American College of Nurse Midwives in May 2017. This is an honor bestowed upon those midwives whose demonstrated leadership, clinical excellence, outstanding scholarship, and professional achievement. Dr. Pam Reis is also co-chairing the American College of Nurse-Midwives Program Committee.

- Dr. Janice Neil, Dr. Donna Roberson, and Dr. Mary Ann Rose received the top poster presentation award at the Association of Perioperative Registered Nurses Convention for their study, "The Tipping Point: A Qualitative Exploration of Decision Making for Bariatric Surgery."

ECU School of Dental Medicine (SoDM)
Board of Trustees Update
April 2017

Schweitzer Fellowships

Three dental students have been selected for the North Carolina Albert Schweitzer Fellows Class of 2017-2018. Allen Bunch and Morgan Stroud's project will connect patients at the ECU Department of Pediatrics with the ECU School of Dental Medicine Pediatric Dentistry Clinic.

Dental student Kiersten Bethea and Brody School of Medicine student Samantha Forlenza will coordinate efforts to provide no-cost dental emergency treatment for homeless patients and link patients to a medical/dental home. Community partners include the James D. Bernstein Community Health Center, East Carolina University School of Dental Medicine Emergency Dental Clinic, Community Crossroads Center, and Greenville Homeless Shelter Clinic.

Dental/Nutrition Science Collaboration

Dental faculty members will conduct a workshop on the oral signs and symptoms of malnutrition with 20 dietetic interns and master's students in Department of Nutrition Science in the College of Allied Health on April 7. The students will learn to recognize normal structures in the mouth as well as the oral manifestation of malnutrition disorders. During a hands-on portion, the nutrition students will learn to perform an extra- and intra-oral exam as part of the workshop training.

This is a "first" for dental and nutrition science faculty collaboration and is significant since oral health is beginning to be incorporated into other health education program at ECU as a part of a growing trend toward a person-centered, collaborative care approach to healthcare.

Boy/Girls Scouts Merit Badge Days

Dental students and faculty organized dentistry Merit Badge Days for 35 local Boy Scouts in March and 40 Girl Scouts in April. During Saturday events, local scouts learned about dental professions, oral hygiene, and nutrition. Faculty, students, residents and staff led the scouts through hands-on activities in Ross Hall labs and clinics. The scouts also learned how science, technology, and math are integrated into dentistry. Dental Merit Badge Days were organized by second-year students Christian Cook from Wilmington, Morgan Stroud from New Bern, and Sarah Langley from Greenville.

Tripartite Meeting

The school hosted the 27th Annual North Carolina Dental Tripartite Meeting on March 31. Representatives of the North Carolina State Board of Dental Examiners, North Carolina Dental Society, Old North State Dental Society, and UNC School of Dentistry joined Dean Chadwick and faculty members to discuss topics of importance to dental providers, educators, and students. This was the first time the

dental school has hosted the Annual Tripartite Meeting.

Legislative Lobby Days

Faculty, students, and residents advocated for patients, dental education, research, and the dental profession during various legislative lobby days this spring. At the state level, faculty and students accompanied members of the North Carolina Dental Society to the North Carolina Dental Lobby Day. Faculty and pediatric dentistry residents took part in the North Carolina Pediatricians and Pediatric Dentistry Lobby Day.

Dental research faculty attended the 2017 American Association of Dental Research (AADR) & Friends of the National Institute of Dental and Craniofacial Research (NIDCR) Advocacy Day; and Dean Greg Chadwick and third-year student T.J. Wilson from Charlotte attended the American Dental Association's Dentist and Student Lobby Day on Capitol Hill.

Updates from Laupus Library

Laupus's Firnhaber Receives Award in Excellence

Gina Cahoon Firnhaber received the Excellence in Scholarship Award at the Beta Nu Spring 2017 Banquet held at the Greenville Hilton on February 9th. Beta Nu is East Carolina University College of Nursing's chapter of Sigma Theta Tau International Honor Society of Nursing. This award is given annually to a Beta Nu member for significant contributions to nursing research. Gina was recognized for advancing the state of nursing science through her ongoing support of researchers and projects at both East Carolina University and Vidant Medical Center. She is a Research Librarian, Information Specialist at Laupus Library and is currently at dissertation phase in the College of Nursing PhD Program.

Laupus Hosts Exhibit to Celebrate Desegregation of Healthcare Centers

The Laupus Library History Collections is hosting the exhibit, *Desegregating Healthcare in Eastern North Carolina*, through April 30 in the 4th-floor exhibit gallery. This exhibit celebrates the lives of Dr. Andrew A. Best and Dr. Milton D. Quigless and their work to dissolve racial barriers in the region's healthcare centers.

Practicing in the mid-1900s, Best and Quigless dedicated themselves to bringing quality healthcare to the African American populations in Greenville and Tarboro, respectively. They faced challenges at every level, from local hospitals that refused them access to resources to federal policies that perpetuated "separate but equal" doctrines.

This exhibit examines Best's and Quigless's contributions to their communities and the strides they made to help desegregate local healthcare centers. It features archival materials and artifacts from the History Collections and Country Doctor Museum, like Dr. Best's original application to join the Pitt County Medical and Dental Society, the leather doctor's satchel he would have taken on house calls, and an adult scale that once belonged to Dr. Quigless.

The Sick Room Exhibit Goes on the Road

The Country Doctor Museum's exhibit, "The Sick Room," traveled to ECU's Joyner Library in January of this year to show that caring for a sick family member was a common part of life in the Victorian period. Any bedroom could become the "sick room" where a convalescing patient could rest undisturbed from the difficulties of life. This exhibit features a variety of both beautiful and useful items that helped ease the invalid back to health. Many of the beautiful objects on display are on loan from the private collection of Brenda Rewalt and additional items come from the collection of The Country Doctor Museum.

This is the first of the museum's exhibits to be showcased at Joyner Library and is on display through May of 2017.

The Country Doctor Museum Celebrates 50 Years

An exhibit documenting and celebrating the rich history of the museum is currently on display, both at the museum in Bailey, NC, and at the museum's display case on the second floor of ECU's Family Medicine Center. The challenges and efforts of its volunteer founders to collect medical artifacts and build a museum from two former country doctors' offices come alive with photographs, memorabilia and other images from the museum's 50-year history.

Development of the medicinal herb garden and nursing collection continue the story of the museum's growth and expansion over the years. Equally as important as its formative years is the latest chapter for the museum under the stewardship of East Carolina University. The Country Doctor Museum continues to flourish and share the important story of the spirit of the country doctor that lives on today.

To help celebrate its 50th anniversary and feature additional objects from the museum's fantastic collection, The Country Doctor Museum has a pop-up nursing display in its library room. Later this year, Laupus Library will host a National Library of Medicine traveling exhibit about the images of nurses in American history. Nursing uniforms in advertisements were used to help recruit young women to the nursing field by presenting dashing and smart-looking images.

Some of the colorful advertisements from the NLM display are highlighted in the museum's pop-up exhibit alongside nursing uniforms closely that resemble the advertisements. Developed by the museum's graduate student intern, Jenny Snyder, the temporary display shows how nursing uniforms reflect changing fashion of the times. This exhibit will be on view through the spring.

Upcoming Exhibits on Loan from the National Library of Medicine

Laupus will host traveling exhibit, *Fire and Freedom: Food and Enslavement in Early America*, on loan from the National Library of Medicine beginning on August 28 and displayed in the 4th-floor gallery. *Fire and Freedom: Food and Enslavement in Early America*, looks at the Chesapeake region, where European settlers relied upon indentured servants, Native Americans, and African slave labor for life-saving knowledge of farming and food acquisition, and to gain economic prosperity. By examining the labor of slaves and food practices of the time, including those at George Washington's Mount Vernon, the exhibition explores how power was exchanged between and among different peoples, races, genders, and classes during the early colonial era. The exhibit will be on display through October 7.

Laupus will host traveling exhibit, *Pictures of Nursing: The Zwerdling Postcard Collection*, on loan from the National Library of Medicine beginning on October 23 also displayed in the 4th-floor gallery. The postcard is a fleeting and widespread art form influenced by popular ideas about social and cultural life in addition to fashions in visual style. Nurses and nursing have been the frequent subjects of postcards for over one hundred years. In fact, no other art form has illustrated the nursing profession so profusely using such a variety of artistic styles and images. The exhibited images of nurses and nursing are informed by cultural values; ideas about women, men, and work; and by attitudes toward class, race, and national differences. By documenting the relationship of nursing to significant forces in 20th-century life, such as war and disease, these postcards reveal how nursing was seen during those times. *Pictures of Nursing* investigates the hold these images exert on the public imagination—then and now. The exhibit will be on display through December 2, 2017.

Laupus Library By the Numbers 2015-2016



Full text articles downloaded

598,552



18,843 Uses of research guides

1,896 Reference transactions



2,153 Items loaned to other libraries

1,095 Items borrowed from other libraries

Visitor count

152,649



Computer lab visitor count

16,687

2,128
Equipment
checked out



174
Anatomical
models



770
Anatomical
models checkouts



17,876
Study room
reservations

3,523
History collections books
100 years and older



118
Private study
carrels



30
Private group
study rooms



238
History collections
items digitized



Counties served
by EAHEC



95.5 Hours
open per week

Laupus Library | www.ecu.edu/laupuslibrary | 252-744-2230

East Carolina University

Board of Trustees

Health Sciences Committee

Brody School of Medicine Updates and Highlights

April 27-28, 2017

Education

- ❖ We had a very successful match of M4 students to residency programs this year at Brody. By the numbers:
 - Matched in primary care residencies: 43 (56%) for family medicine, internal medicine, pediatrics, medicine-pediatrics; or 47 (61%) if you include OB/GYN
 - Number of specialties represented: 21
 - Most popular specialties: Pediatrics (18 students) followed by Family Medicine (13 students)
 - Matched in NC for residency – 28 students or 36%
 - Matched at VMC for residency – 13 students or 17%

- ❖ ECU Communications did a phenomenal job of chronicling the Match Day activities – for a look at their creativity in reporting on this, check out this link and share it with anyone you think would enjoy it: <https://spark.adobe.com/page/6TbFZVV9p9ztU/>

- ❖ Also from ECU Communications:

Primary care prevails again at ECU Match Day ceremony

GREENVILLE, N.C. (3/17/17) — Today, as thousands of fourth-year medical students across the country attended Match Day ceremonies to find out where they will train the next few years as resident physicians, the Brody School of Medicine at East Carolina University demonstrated once again that they are leaders in producing primary care doctors.

In keeping with Brody's mission to tackle the statewide shortage, 61 percent of Brody graduates will be entering primary care residencies, and 36 percent will remain in North Carolina for their training.

"We first welcomed you all as part of the Brody family in August 2013," said Dr. Elizabeth Baxley, senior associate dean for academic affairs. "Now... we celebrate with you as you receive the magical envelope that reveals where you will begin the next stage of your training — this time as a physician."

Students individually walked across the stage to receive the envelopes holding their destinies as pre-selected songs played and photo collages and messages of thanks were projected on a screen behind them. Friends and family members waited to support each student as they returned to their seats.

For Jackson Turbeville, who will practice dermatology at the Mayo Clinic in Jacksonville, Florida, the envelope held happy news.

“I’ve been dreaming of this since I started med school. I’m thrilled...The envelope is monumental. For some it holds heartbreak. For some it holds dreams. There’s really nothing else like it, I don’t think, across other professions.”

Forty-seven Brody graduates will be entering primary care residencies. The numbers of students who matched in each primary care field are as follows: 18 in pediatrics, 13 in family medicine, 9 in internal medicine, 4 in obstetrics/gynecology, 3 in internal medicine/pediatrics.

Sixteen percent of Brody graduates will remain at Vidant Medical Center, Brody’s affiliated teaching hospital, for their residency training. This is up from 12.5 percent last year. Historical data suggests that about 70 percent of these physicians will stay in North Carolina to practice after completing their residencies.

Wilson native Augustin DuSablou was pleased to learn that he matched in emergency medicine at ECU/Vidant.

“I’m overwhelmed and excited that I matched with my number one choice and I get to stay home. I grew up near here, my family is here, this is home to me,” he said. “And when I finish residency, I hope to work in a local emergency department somewhere in eastern North Carolina.”

Before they can independently provide direct patient care, U.S. medical school graduates must complete a three- to seven-year residency program accredited in a recognized medical specialty. The National Resident Matching Program (NRMP) is the organization that places applicants for postgraduate medical training positions into the various residency programs at teaching hospitals across the country.

From the Daily Reflector – March 18, 2017 –

Match Day anxious and exhilarating for Brody grads

After four years of undergraduate studies and four more years studying at the Brody School of Medicine at East Carolina University, Requita Demery will stick around Greenville — at least for a few more years — to pursue her dream of practicing medicine and psychiatry. Demery learned on Friday she will enter a residency program at Vidant Medical Center. Her mother, Bernita Demery, director of financial services for the City of Greenville, was all smiles about that.

“Now I can look forward to a lot of sleepless nights, mistakes I will learn from and a lot of great experiences I’m sure I will remember forever,” Requita Demery said. “I think I’m ready for the challenge, and because I’m from here, I understand many of the challenges associated with living in eastern North Carolina.”

The journey to a medical practice reached an important milestone Friday for Demery and 76 students leaving Brody for residency training. They joined thousands of medical students nationwide for Match Day.

Before they can independently provide direct patient care, U.S. medical school graduates must complete a residency program accredited in a recognized medical program. Residencies can last from three to seven years, depending on the pursued medical specialty.

The National Resident Matching Program places applicants for postgraduate medical training positions into the various medical residency programs available at teaching hospitals nationwide. Residency matches, expected to be the largest total number nationally in history, are announced on the same day at medical schools across the country. The Brody portion of those matches were announced Friday at the school's auditorium to dozens of students and their families, in an equally charged atmosphere of anxiety and celebration.

For the population of eastern and rural North Carolina, severely challenged for physicians — especially in family practices — the numbers were again encouraging, interim dean Dr. Nicholas Benson said. In keeping with Brody's mission to provide primary care physicians, 47 Brody graduates, or 61 percent, will enter primary care residencies, with 18 in pediatrics, 13 in family medicine, nine in internal medicine, four in obstetrics/gynecology, and three in internal medicine/pediatrics, school officials said.

"We have another tremendous class graduating this year," Benson said. "We know that they will serve the people of eastern North Carolina."

Requita Demery's attitude about serving North Carolina as a doctor was uplifting for Brody's administrators and their mission. Of the 76 matches announced Friday, 36 percent will remain in North Carolina for their residency training, including 13 graduates who will receive their residency training at Vidant Medical Center, Brody's affiliated teaching hospital. That number is up from 12.5 percent last year. Based on past data, Brody administrators believe about 70 percent of those physicians will stay in North Carolina to practice after completing residency.

Clay Templeton of Charlotte couldn't have had a better Match Day — in a larger sense. He learned that not only will he undertake his pediatric residency at Duke University Medical Center, but he also will not have to be separated from his fiancée and fellow Brody graduate, Alie Mara of Apex. Mara also will do her residency — hers in internal medicine — at Duke, and they plan to marry in May.

"It will be a lot of long hours and hard work, but then we'll be doctors and we'll take care of awesome people," Mara said.

"Being able to continue relying on each other is extremely important," Templeton said. "It's been a long process and will continue to be challenging, but we'll be sticking together through it."

The pair said they can't foresee where they will be years ahead, but want to return to North Carolina at some point.

"We'll go wherever God sends us," Templeton said.

Benson recognized the growing challenges faced by ECU to teach medicine to people and provide the state with needed physicians.

“The cost of medical education just keeps going up, but Brody and ECU remain committed to providing the highest quality of education,” Benson said. “We’re grateful for our partnership with the N.C. General Assembly, Vidant and all the philanthropic support we get from donors, especially those in eastern North Carolina.”

Retired Brody Dean Dr. Paul Cunningham returned to attend the ceremony.

“The state of the profession is well. These graduates are some of the best people, and just think of what they are going to accomplish in their lives for their families and for the people of North Carolina,” Cunningham said. “Having 61 percent in training in primary care is remarkable. Promises made, promises kept.”

Research

- ❖ Sponsored activity for the current fiscal year through 3/30/2017. All data were obtained through RAMSeS. For FY17 forward the ECU Vice Chancellor for Research, Economic Development and Engagement (REDE) has requested that all “Sponsored Activity” be entered into RAMSeS, therefore all ECUP contracts with Vidant Health entities are incorporated in our sponsored activities report. In view of this change we have modified the method for extracting data for reporting on research activities. Data are now sorted based on CHES codes and Activity codes to provide a better assessment of true research & development, clinical trials and other clinical service awards. In the table below “Total Sponsored Activity” includes ECUP contracts with Vidant entities for FY17. “Total Extramural Awards” excludes these contracts and includes only awards sponsored by extramural sources which includes NIH research grants, training grants and public service grants such as those from HRSA (Health Resources Services Administration).
 - A review of the data below shows that Total Extramural Awards have declined in FY17 by \$4,919,657 compared to FY16. This can be attributed to a significant decrease in the number and amount of Clinical Trials which decreased by \$2,841,135 over the same period in the last fiscal year. There also has been about a 19% decrease in the dollar amount of Research & Development awards for FY17 but the actual number of awards has remained the same. Among the Research & Development sector, NIH grants have actually increased by \$337,190 at this point in time.
 - Analysis of other sectors of Total Extramural Awards shows a decline in every area with the most significant being the Public Service sector which is down by \$1,215,514. Weakness also was seen in overall awards from Non-profit Organizations (down \$405,712) and the Vidant Medical Foundation (down \$368,010).

BSOM Sponsored Activity July 1 through March 30				
	FY16		FY17	
	# Awards	Amount	# Awards	Amount
1) Total Sponsored Activity	143	\$14,968,531	202	\$65,715,993
2) ECUP Contracts	NA	NA	76	\$55,667,119
3) Research & Development	59	\$6,006,495	60	\$4,900,567
4) Clinical Trials	41	\$4,414,596	24	\$1,573,461
5) Total Extramural Awards**	143	\$14,968,531	122	\$10,048,874

NA= data not available in RAMSeS

** excludes ECUP Contracts

- ❖ Update on the active search for a permanent Associate Dean for Research & Graduate Studies (ADR) for the BSOM. Two candidates have returned to BSOM for “second” visits and both were highly regarded by the faculty. Multiple stake holders and advisory groups have provided input on the candidates and the Dean’s office will have the information necessary to proceed with the recruitment.
- ❖ Thus far during the 2016-2017 academic year we had five students successfully defend and deposit their PhD dissertations. These were: Calvin Justus (IDPBS; Biomedicine Concentration) “The Tumor Suppressive Effects of T Cell Death-Associated Gene 8 in Blood Cancers”; Yi Huang (Anatomy and Cell Biology) “CRISPR/Cas9 knockout of HAS2 in rat chondrosarcoma chondrocytes demonstrates the requirement of hyaluronan for aggrecan retention”; Ki Hwan Moon (Microbiology) “Motility and chemotaxis in the Lyme disease spirochete *Borrelia burgdorferi*: Role in pathogenesis”; Andrew Holt (Physiology) “Vasodilator-stimulated Phosphoprotein Regulates Arterial Smooth Muscle Cell Migration”; and Cody Smith (Physiology) “Linking energy state to redox environment through mitochondrial redox circuits”.
- ❖ Eleven students graduated from our MPH program this fall. As a part of their graduation requirements, each student presented their professional paper findings to the faculty and staff.
- ❖ In the current academic year graduate students from the BSOM PhD and MS Biomedical Sciences programs have contributed to 35 refereed research publications as either first-authors or co-authors. Many of these manuscripts have had multiple students contributing.
- ❖ The Graduate Schools biennial reallocation of graduate assistantship funding resulted in a proposed \$25,000 yearly increase in our total budget for the PhD programs and \$40,000 allocation for the new DrPH program.

- ❖ The basic science programs are currently recruiting graduate students for the 2017-2018 academic year. For the newly established PhD in Biomedical Sciences program (an integrated program derived from the five independent basic science PhD programs) we have 91 applications in various states of completion. For the MS program in Biomedical Sciences there are 17 applications nearing completion and for the PhD in Interdisciplinary Biological Sciences-Biomedicine concentration we have we have 88 applications in various states of completion.
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Community Service

- ❖ The Department of Public Health hosted a daylong symposium on March 23rd – “Climate Change and Health: Focus on Eastern N.C.” The event aimed to raise awareness about the public health impacts and challenges posed by climate change, particularly for vulnerable populations in eastern North Carolina, and to increase communication surrounding this issue among researchers, health care professionals, faculty, students and the community. Presenters included representatives of the U.S. Environmental Protection Agency, the Centers for Disease Control and Prevention, and the North Carolina Division of Public Health. The keynote speaker was Dr. Lawrence Raymond, Director of Occupational and Environmental Medicine, HEALTHWORKS Division, Carolinas HealthCare System.
 - ❖ On April 8, the Brody Scholars held their first community health fair at the Lucille Gorham Intergenerational Community Center to help celebrate the center’s tenth anniversary. There were booths where attendees could have their blood pressure, body mass index and blood sugar checked. There were also nutrition, exercise, anatomy and bike safety education stations for children.
 - ❖ Over the past several weeks, pediatrician David Holder, pulmonologist Arjun Mohan and sports medicine specialist Justin Lee were interviewed by television reporters in an effort to help educate the community about the respective issues of marijuana use in teens, seasonal allergies and concussion injuries.
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Clinical Practice

- ❖ While the leadership of ECU and Vidant Health have largely completed the development of the formal integration agreement to bring together ECU Physicians and Vidant Medical Group as an associated entity within Vidant Health, the UNC Board of Governors’ action on March 3, 2017 has altered the work flow. The BOG voted to charge President Spellings, Chancellor Staton and BOG Budget & Finance Committee Chair Scott Lampe with finalizing the integration agreement and to bring that to the Budget & Finance Committee for final approval. That work is expected to be completed prior to the next meeting of the BOG in mid-May 2017.

- ❖ For the first eight months of FY 17, (July 1, 2016 – February 28, 2017), ECU Physicians had a bottom-line loss of \$6.2M. Over \$1M of this is attributable to contract revenues owed to ECU Physicians for faculty and staff supporting the Leo Jenkins Cancer Center Joint Venture. Those contract revenues are expected to be paid in April 2017. We also anticipate receiving over \$7M in UPL (Upper Payment Limit) payments in April for the 2015 reconciliation and for FY17 Quarters 1 and 2.
- ❖ ECU Physicians cash reserves at the end of February 28, 2016 were \$45.9M or 104 days of cash on hand. The ECU Physicians Board encourages ECU Physicians to have 90 days of cash on hand at all times.

