Joint Meeting of the Boards of Trustees
North Carolina State University
UNC-Chapel Hill
Raleigh, North Carolina
January 24, 2013

The North Carolina State University and UNC-Chapel Hill Boards of Trustees met in open session in the Hood Board Room of the Dorothy and Roy Park Alumni Center on Centennial Campus, Raleigh, NC, on Thursday, January 24, 2013. Chairs Barbara Mulkey and Wade Hargrove presided.

NC State University members present: Barbara H. Mulkey, Chair
Jimmy D. Clark
Jack L. Cozort
Lawrence Davenport
Benjamin P. Jenkins III
Gayle S. Lanier
Robert L. Mattocks II
James W. Owens
John P. Sall
E. Norris Tolson
Susan P. Ward
Andy Walsh, ex officio

UNC-Chapel Hill members present: Wade Hargrove, Chair
Lowry Caudill
Don Curtis
Alston Gardner
Barbara Hyde
Kel Landis
Steve Lerner
Sallie Shuping-Russell
John Townsend
Felicia Washington
Will Leimenstoll, ex officio

Chair Barbara Mulkey called the meeting to order at 2:00 p.m. She reminded all members of their duty to avoid conflicts of interest and appearance of conflicts of interest under the State Government Ethics Act and inquired as to whether there were any known conflicts of interest or appearances of conflicts with respect to any matters coming before the board at this meeting. There were none.

Chairs Mulkey and Wade Hargrove welcomed the group. Chancellor Holden Thorp stated that this is a very important and historic meeting. Both universities are looking forward to showcasing how they work together. Chancellor Randy Woodson said that because our
institutions are very different, it is to our benefit to collaborate. He welcomed UNC President Tom Ross.

**IMPROVING THE WORLD THROUGH STRATEGIC PARTNERSHIPS**

Provosts Warwick Arden and Bruce Carney highlighted the impacts of current collaborations between the two institutions. They began by discussing grants and faculty collaborations. Together, NC State and UNC-CH have been subcontractors on 616 awards for a total of $37 million. Two large projects with subcontracts between the two universities are the NSF Science and Technology Center for Environmentally Responsible Solvents and Processes and the Cooperative Institute for Climate and Satellites. UNC-CH is NC State’s number one co-publication partner with 688 joint publications. NC State is UNC-CH’s number five co-publication partner, but the top four all have medical schools.

The Provosts discussed our R&D expenditures by source of funds and by field. As partners, NC State and UNC-CH rival Johns Hopkins. We have 23 US-issued joint patents and a number of joint start-up companies. Our academic connections include the joint Department of Biomedical Engineering and a Master of Public Health with a concentration in Veterinary Epidemiology.

Centers and Institutes with affiliate members from NC State and UNC-CH include the NC State Center for Comparative Medicine and Translational Research (CCMTR), the NC State Center for Environmental Farming Systems (CEFS), the Center for Developmental Science (CDS) and the UNC Frank Porter Graham (FPG) Child Development Institute. Key partnerships between UNC-CH and NC State (some with additional partners) include the Blackstone Entrepreneurs Network, the National Evolutionary Synthesis Center, Renaissance Computing Institute, Statistical and Applied Mathematical Sciences Institute and the Triangle Research Libraries Network.

Non-academic collaborations and connections include a joint enterprise services initiative that resulted in a shared understanding of business processes and University Targeted Staffing, a temporary staffing partnership between the two schools. In closing, Provost Carney stated that NC State and UNC-CH can and do work well together and have a grand opportunity to make a difference to the state.

**MEETING THE GRAND CHALLENGES OF TOMORROW**

Chancellors Holden Thorp and Randy Woodson discussed future partnership opportunities between NC State and UNC-CH. While there are many areas of existing complementary strengths between the two schools, they identified several areas where they believe that joint strategic initiatives that infuse engineering and physical sciences with the life and health sciences will provide benefits far beyond the sum of the individual institutions. Three of the most promising initiatives are Pharmacoeengineering, Data Sciences and Systems Biology.

Chancellor Thorp said that, guided by requests from the pharmaceutical industry to provide a workforce educated on engineering approaches to therapeutics, UNC-CH and NC State propose to develop a joint program in Pharmacoeengineering, the science behind the development of materials and technologies to improve the delivery of therapeutic and diagnostic agents. The
pharmacoengineering effort will lead to new generations of drugs, drug delivery systems, and novel means to assess drug safety and efficacy, and will take over a critical role that large pharmaceutical companies have been shedding.

Chancellor Woodson stated that nearly every sector of the U.S. economy is struggling with growing data volumes resulting in “Big Data” becoming an increasingly important research field. With national leadership in complementary data science disciplines at NC State and UNC-CH, both institutions have already explored how to grow a stronger presence in the important research area through collaborations. An initiative in Systems Biology will stimulate research to translate discoveries in human disease to the bedside, discoveries in plant science to the farm and table, and discoveries in population genetics to the community by building on strengths in life science and computational science at both universities. The chancellors discussed ways to increase faculty interactions through investments in seed funding, equipment and infrastructure.

Chancellor Woodson closed by saying that we must encourage our faculty to collaborate. Our patent numbers are too small, and we need to find ways to stimulate growth in this area.

President Ross briefly talked about the UNC Strategic Plan and how it is an economic package as well as an educational package. The collaborations discussed at this meeting are consistent with the discussion and draft proposals for the Strategic Plan. Chairs Mulkey and Hargrove thanked the Trustees for attending the meeting and stressed the importance of our relationship to both schools.

With no further business to conduct, Mr. Tolson made the motion, seconded by Ms. Lanier, to adjourn. The motion carried. Chair Mulkey adjourned the meeting at 3:50 p.m.

Respectfully submitted,

[Signatures]

Assistant secretary  Secretary

Approved:

Chair of the Board