October 25, 2010

Research Master Plan Parameters (DRAFT)

1. Research Targets
   - To hit $150 million in research expenditures by 2015, need over 10% annual growth
   - FY10 – 9% increase in expenditures over FY09, but only 3% increase in awards
   - If annual growth in expenditures is 7.5-8%, will hit goal in 2017
   - Would like to see larger increases in NSM, Engineering, Optometry, Pharmacy

2. Vivarium Space
   - Most critical research facilities issue right now (plus SERC)
   - S&R2 not long-term solution for transgenic mice housing; but OK for “dirty” facility housing
   - Short-term
     - Build modular barrier facility for transgenic mice
   - Intermediate-term (3-10 years out)
     - New Biomedical and health Sciences Building – 2 floors of vivaria
       - 6th Floor – nonhuman primates
       - 5th Floor – transgenic barrier BSL3 facility for breeding/manufacturing transgenic mice colonies
   - Long-term (10 years+)
     - Additional new science building

3. Energy Research Park
   - Building 4 – energy (wind) faculty
   - Building 9a – Petroleum Engineering
   - Building 15 – Applied Research Hub

4. Research Clusters
   - Center for Nuclear Receptors and Cell Signaling – Gustafsson
     - SERC (floor 3 plus ½ of 4 (?)) – get Geosciences off 3rd floor
     - SERC cleanliness issues and standard of service
     - Fastest growing center re faculty hiring
     - Under pressure to make ROI in 5 years – obstacles are SERC buildout and animal care facilities and operations
   - TucSUH Applied Research Hub – Selva (ERP)
   - NCALM (National Center for Airborne Laser Mapping) – Shrestha – get off SERC 2nd floor, move to ERP
   - Biomedical Engineering – Akay – 2nd floor lab buildout
• Goal – Finish SERC Now!

5. Reuse of Existing Space

• S&R1 Renovations
• Need policy decisions regarding space utilization and occupancy
  o Need strategy to deal with legacy space – no one has incentive to turn over legacy space
  o Culture change of space ownership – has to move from department/college to university
  o Have a minimum size threshold for new buildings
  o Charge rent (original SERC business model)
  o Since renovation more expensive than new space, convert old science buildings to classroom/office space and build new science buildings