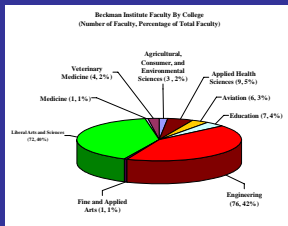


Key Accomplishments

Implement Interdisciplinary Approaches to Emerging Opportunities

- Hosting interdisciplinary research centers funded by NIH, NSF, DoD, etc.
- Faculty from over 30 different depts. to provide a cross-discipline environment



- Agile adaptation of research environment to enable new initiatives

Strengthen and Diversify our Research Portfolio

- 11 seed proposals selected that support research in areas including bioimaging, carbon nanotubes, and cancer detection; and also initiating novel research in biomechanics and tissue engineering

Provide Students with Interdisciplinary Research Opportunities

- Provided funding for the Graduate Student and Postdoctoral Fellows Program
- Hosted 904 graduate research assistants, 452 undergraduates, and 125 postdocs

Promote Economic Development

- 24 patents issued 2001-06; 40 pending
- Technologies developed including intelligent hearing aid, laminar fuel cell, flexible electronics, and self-healing polymers
- Start-up companies including Semprius, which recently earned the Wall Street Journal Technology Innovation Award

Facility Support

- Obtained support for a new 3T magnet at the Biomedical Imaging Center
- Upgraded critical instruments from gift funds

Beckman Institute

Goals

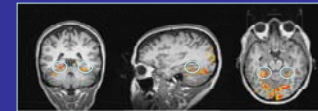
- Continue to implement interdisciplinary approaches to emerging research opportunities
- Strengthen and diversify our research portfolio
- Provide graduate and undergraduate students interdisciplinary research opportunities that prepare them for exciting professions in the 21st century
- Promote economic development by increasing intellectual property disclosures, supporting start-ups, and developing corporate partnerships
- Support our facilities to remain a global leader in interdisciplinary research

Key Success Factors

- Growing our current funding streams and securing additional funding from new resources
- Attracting and retaining world-class faculty is imperative
- Branding Illinois and the Beckman Institute as “the place to be” for leading-edge, interdisciplinary research
- Educating students who will become the foundation of future development efforts

Key Initiatives

- Grow the bio- and neuroimaging initiative to increase translational research and the development of multi-modal imaging for cancer biology and neuroscience



- Promote and expand “vital aging” and “healthy minds” by integrating engineering, medical, and wellness foci with already world-renowned research on aging and neurocognitive function
- Integrate research in human and machine language, speech, and vision to provide solutions to challenges in human-computer interactions
- Develop multi-scale modeling and computation in nanobiology
- Acquire new fabrication and characterization tools and techniques to expand research opportunities in 3D macro, micro, and nano assemblies



- Foster synergies between Beckman-based research and other medical and academic institutions to further our research in the repair, replacement, and augmentation of neural systems
- Develop adaptable, maintenance-free, autonomous materials systems for applications from aerospace to biomedicine