

RESEARCH AT DREXEL

- Vice Provost for Research and Graduate Policy
- Work with Faculty, Chairs and Deans to grow the research enterprise
- Identify and develop areas where Drexel can develop “cutting edge” research programs that can achieve at least \$5M per year in sustainable expenditures
- Focus on interdisciplinary research
- Deliverables

NANOTECHNOLOGY

- Individual faculty interests in nano
- Nanotechnology Institute
- A.J. Drexel Institute
- Strategic Initiative

STRATEGIC INITIATIVES

- APPLIED COMMUNICATIONS AND INFORMATION NETWORKING
 - Partnership with CECOM, Drexel and Sarnoff Corporation
 - Rapid R&D and commercialization of technology for Army
 - \$10M/year, total of \$40M investment
 - POM starting in 2006

STRATEGIC INITIATIVES

- NATIONAL BIOTERRORISM CIVILIAN MEDICAL RESPONSE
 - Designated by Congress in FY2000
 - Funded by DOD, DOT, DHHS
 - \$5M/year (total \$10M)
 - Develop new technologies to enable effective first response and remediation (e.g., biosensors)
 - SEPTA, Philadelphia Dept. of Health, St. Francis University, U of Pittsburgh, U of Pennsylvania Health System, ERA Digital (Argentina)

Strategic Initiatives

- PowerGrid
 - Develop system for emulating the power grid
 - Develop training modules, improve use prediction. real-time grid reliability
 - Funded by DOE
 - \$3M/year (total \$5M)
 - NJIT, PJM RTO

A.J. Drexel Institutes

- Nanotechnology
- Basic and Applied Protein Sciences

TECHNOLOGY COMMERCIALIZATION

- Research pipeline → Commercialization
- Incentives
 - Faculty receive 50% to 25% of net income based on amount
- 8 companies formed
 - 5 funded
 - 1 sold