

Boise State University: Biosciences

Attributes, Assets, Opportunities, Goals, and Challenges

Legislative Task Force on Biotechnology
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Jack Pelton
Dean of the Graduate College
Interim VP Research

State Universities: Research Attributes

- **Collaboration**

Research in the biosciences at Idaho universities is collaborative and complementary (BRIN and INBRE grants).

- **University Research Environment**

Universities create an optimum research environment: excellence in scholarship is prized by everyone (research culture), fundamental research is encouraged, freedom to choose the most fruitful directions, primary commitment to educating the next generation of scientists and engineers.

Boise State University: Assets

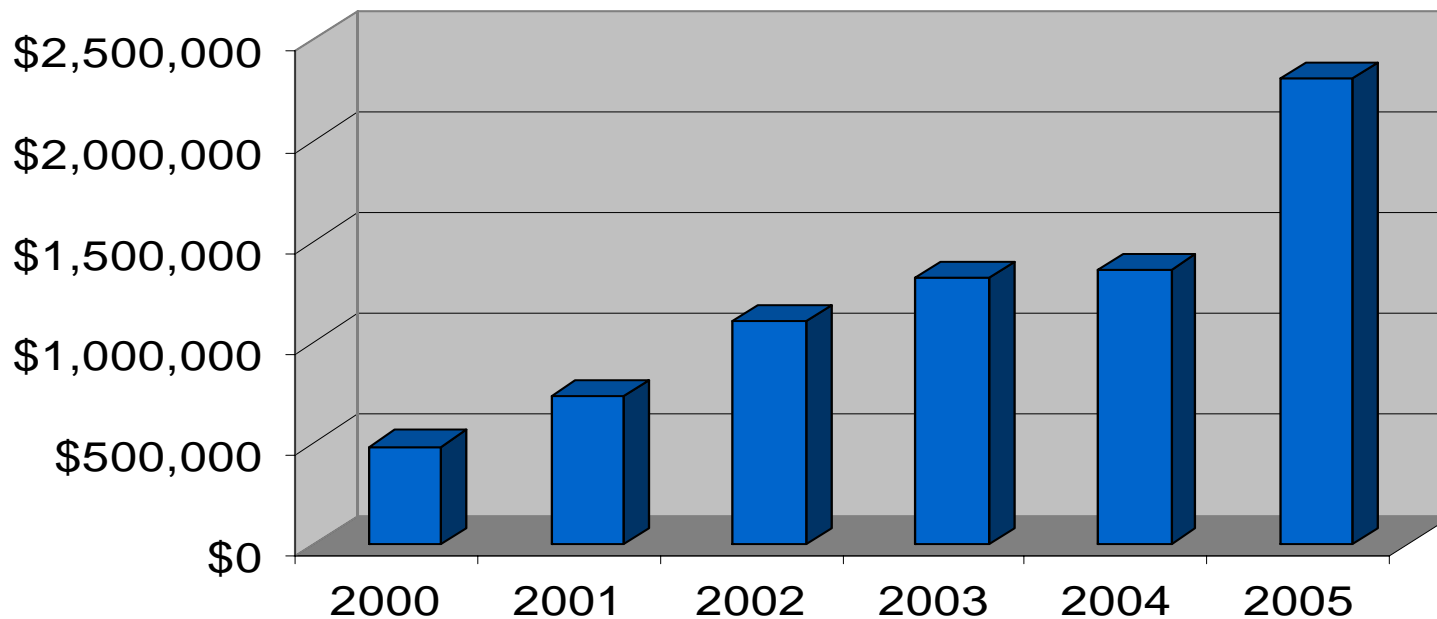
- **FACULTY:** 32 faculty members (from 8 academic departments) in the biomedical sciences and biotechnology, most hired in the last five years
- **INTERDISCIPLINARY APPROACH:** biochemistry, biophysics, biomaterials, biomechanics, bioinformatics
- **SPECIALIZED LABORATORIES:** AFM, EPR, MMIL, etc.
- **COLLABORATIONS:** local (VAMC, MSTMRI), state (BRIN, INBRE), and beyond (TJMC)
- **STUDENTS:** undergraduate and graduate research experiences

Boise State University: Opportunities

- Growth in NIH Grant Funding
- More Educational Opportunities (Ph.D. Biomolecular Science, 2007?)
- More Connections to Industry (examples Sapidyne, Crowley-Davis)
- Enhanced Communications (Internet 2, Access Grid)

Boise State University: Growth in Grant Funding

NIH Funding 2000-2005



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Boise State University: Goals

- Align Academic Priorities with Economic Base of Boise and Idaho
- Prepare a Scientifically and Technically Creative Workforce
- Create IP with Local/Global Application
- Address S&E Issues of National Importance

Boise State University: Challenges

- Faculty Salary Compression (-20%, Dean's Distinguished Professor)
- Startup and Development of Young Faculty Members (\$100-\$200K, timing)
- Facilities: New/Remodel
- Marketing and Licensing of IP (external)