

Finding Success in Times of Uncertain Opportunity

**Annual Report
on Research and Scholarship
FY2009**

**Stephen R. Forrest
Vice President for Research
University of Michigan
January 21, 2010**

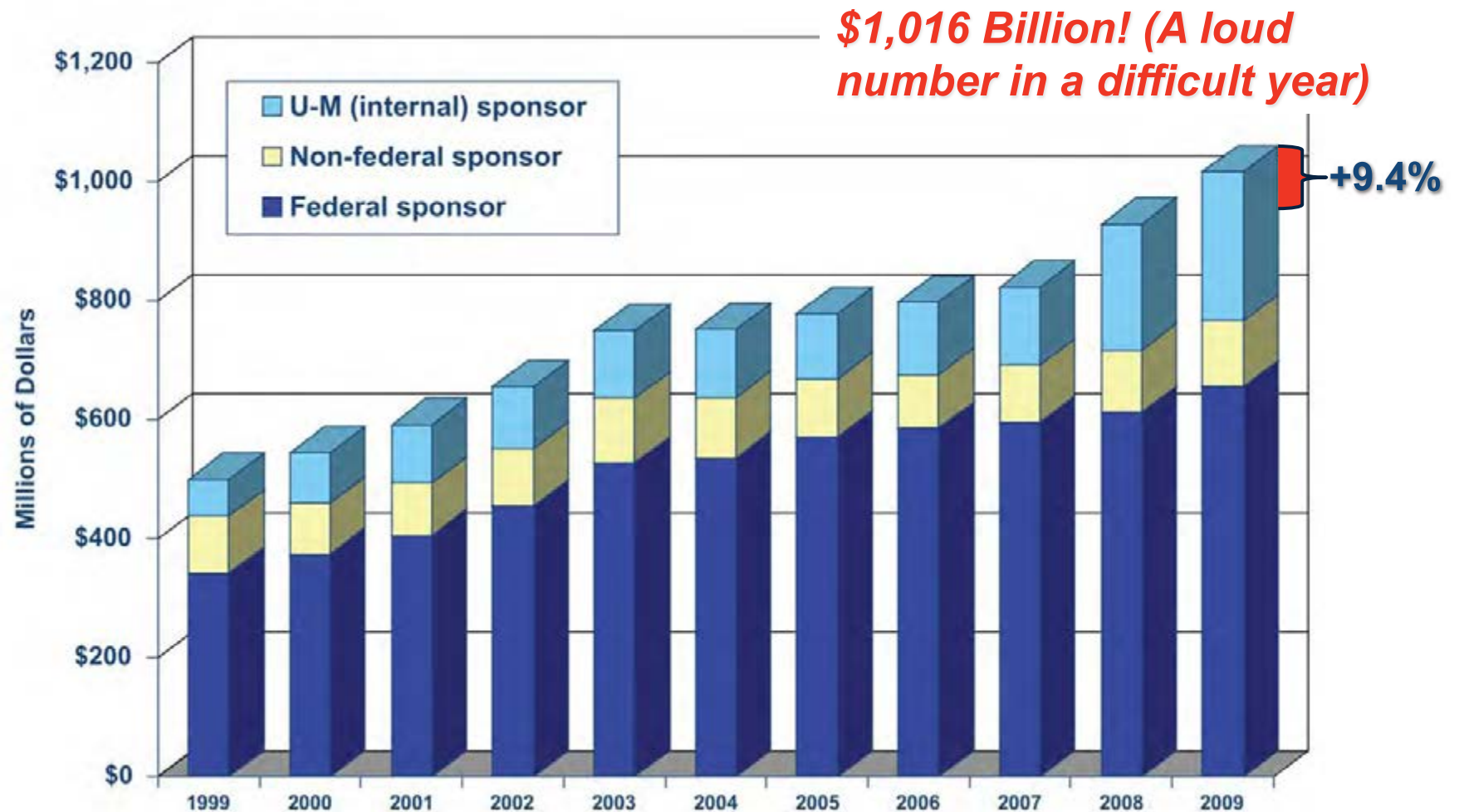
2009: A year of accomplishment and transformation

- **Total research expenditures topped \$1 B**
 - **No earmarks!**
- **U-M stimulus grants surpass \$218 Million**
- **Investment establishes North Campus Research Complex**
- **Culture of innovation and entrepreneurship embraced**

**...strategic planning and an excellent faculty
made this possible**

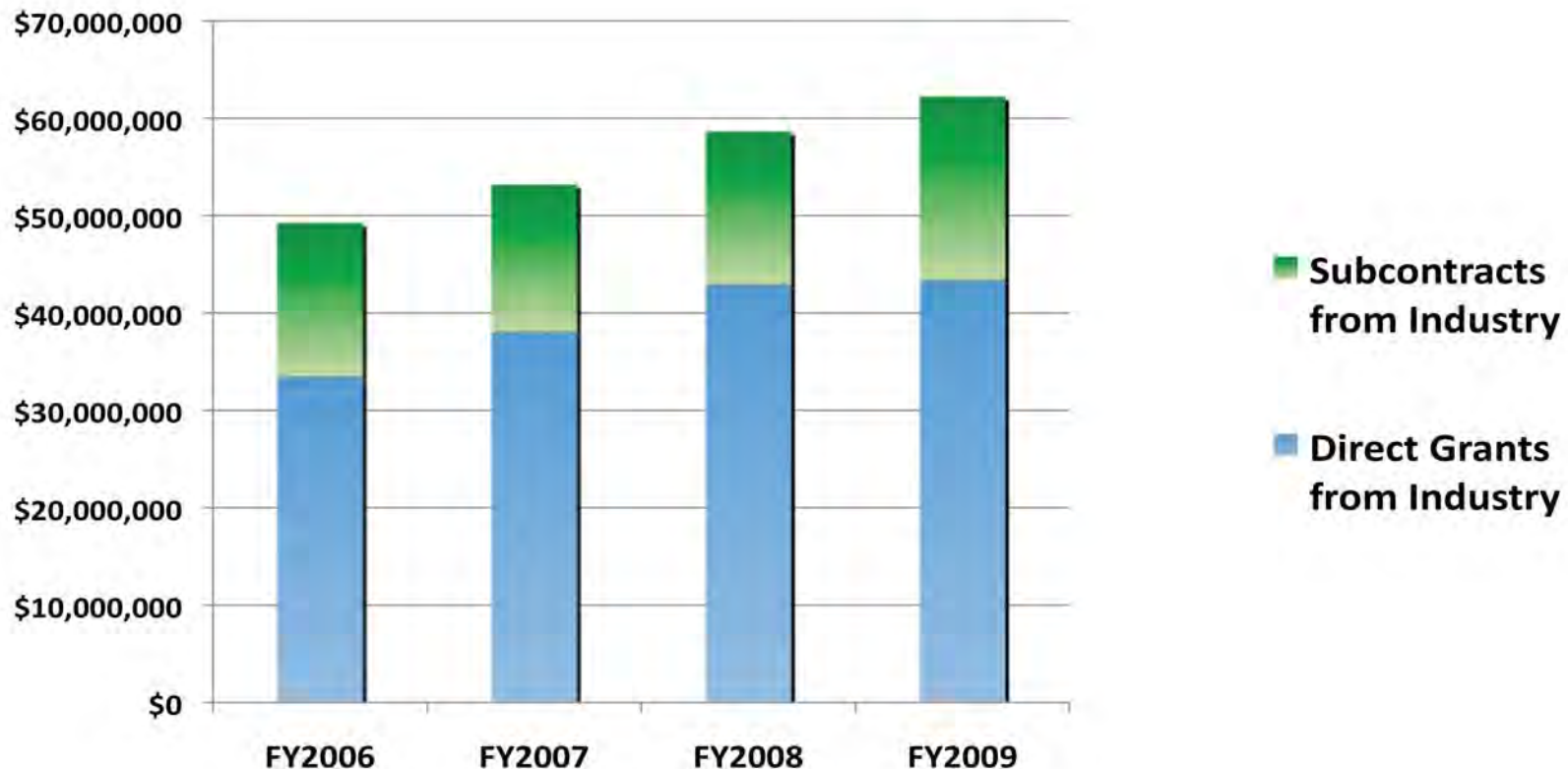
UM Research Expenditures

(by Major Sponsor Group, FY 1999-2009)



Not yet on the books → Stimulus expenditures: 390 projects, \$218M

U-M Industry Research Growth in the Great Recession



- **Number of invention reports: 350 (all-time high)**
- **Number of start ups: 8**
- **Venture investment in UM startups: >\$82M (1 yr)**

The Research Enterprise at U-M

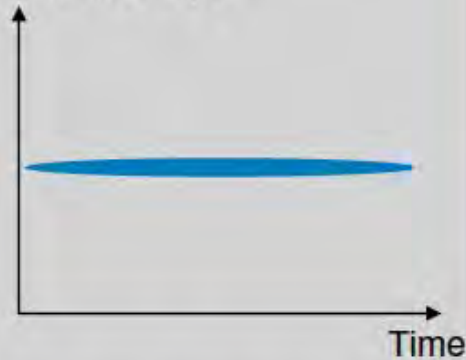
- **3rd largest segment at U-M, and growing rapidly**
 - Health System: ~ \$2.2 B
 - Education: ~ \$1.2 B
 - **Research: ~\$1.0 B**
- **Growing relative to ten largest research universities**
 - Current rank: 3
 - Increasing market share: +8.3% FY07 to 08
(compared to 3.3% average)

Research paradigms evolve

Research yesterday

- long developing time
- narrow corridors for solutions

Problem scope



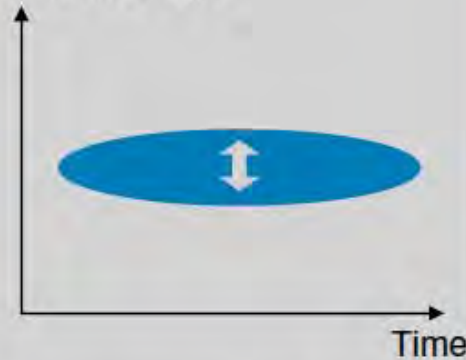
Knowing, where it is written



Research today

- long developing time
- narrow corridors for solutions

Problem scope



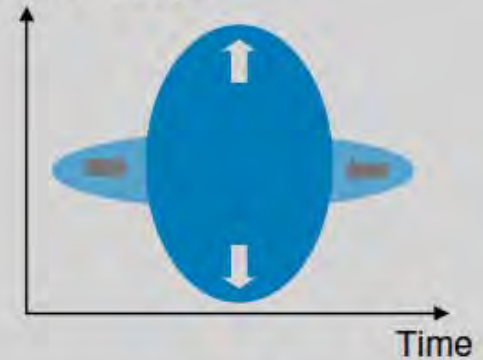
Knowing, who knows what



Research tomorrow

- shortened developing times
- wide room for solutions

Problem scope



Knowing, where knowledge is created

North Campus
Research Complex

NCRC – A transformational opportunity

- ✓ A place to address largest, interdisciplinary problems today: e.g. human health & sustainability/energy
- ✓ A place for **teams** to solve problems, working in dynamic collaborations
- ✓ A place for partnership: *the new research paradigm*
 - Academia, industry, government
 - Business Engagement, Tech Transfer, Faculty start-up acceleration
 - International

With our partners, we can reinvent how research solves the largest problems facing humankind

We cannot afford to miss this chance!

- **Ride the wave of robust research growth**
 - **Recognize and drive opportunities**
 - **Leverage and *integrate* NCRC**
 - **Grow and improve research administration**
- **Focus on the culture of entrepreneurship**
 - **Solidify campus-wide culture of innovation and entrepreneurship**
 - **Improve faculty incentives**

U-M's 'Field of Dreams'

