

INTRODUCTION: DISCOVERY, INNOVATION AND ECONOMIC DEVELOPMENT AT THE UNIVERSITY OF ILLINOIS

LARRY SCHOOK
DECEMBER 13, 2013

UNIVERSITY OF ILLINOIS
URBANA-CHAMPAIGN • CHICAGO • SPRINGFIELD



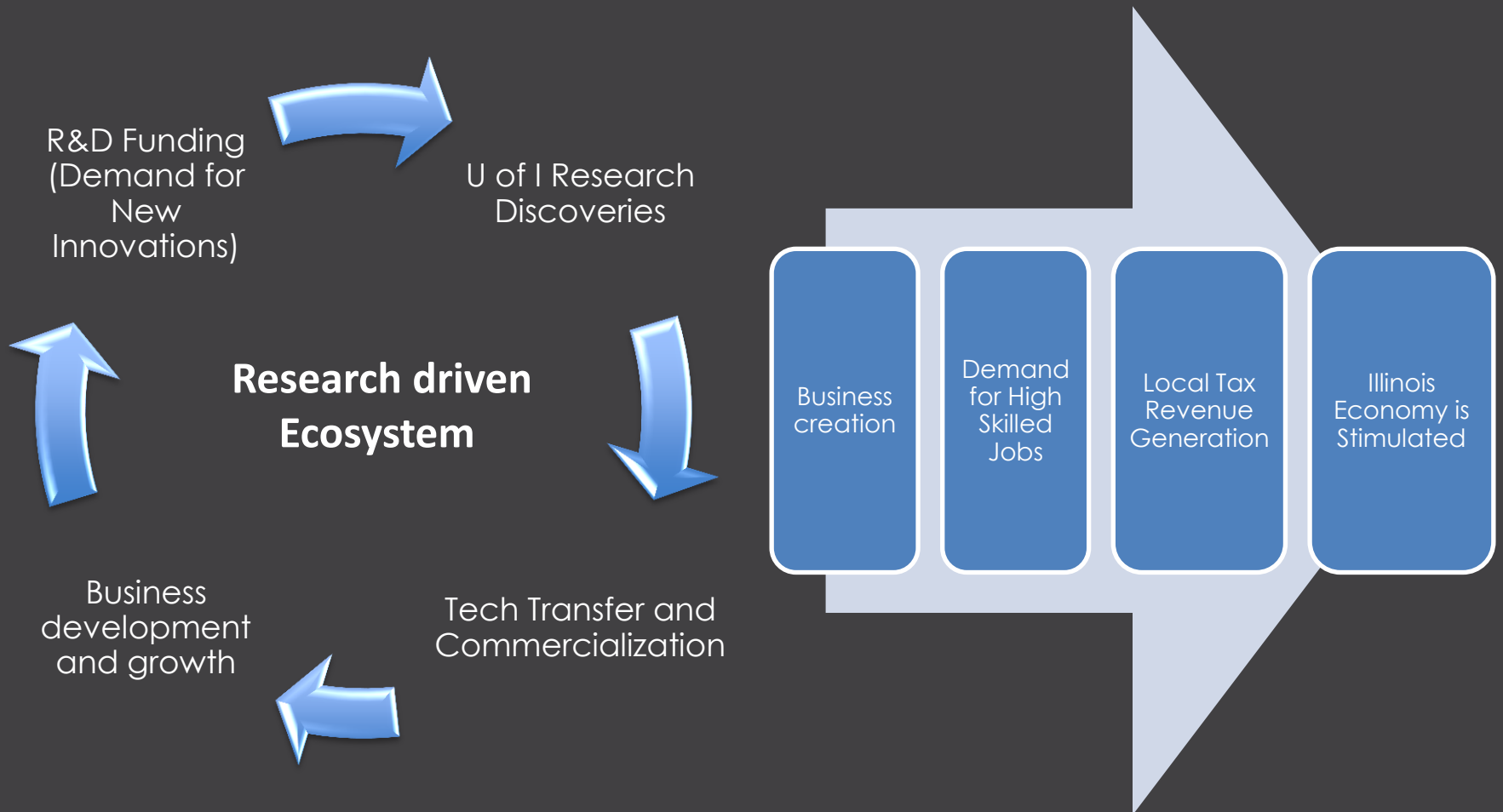
OFFICE OF THE VICE PRESIDENT FOR RESEARCH

AT THE CROSSROADS: THE STATE, THE UNIVERSITY AND TOMORROW'S TECHNOLOGY (2000)

- **Information Technology**
 - NCSA
 - MicroNano Addition
- **Biotechnology and Medical Technologies**
 - Post-Genomics Institute (IGB)
 - Medical Imaging at Chicago
 - Advanced Chemical Technologies at Chicago
 - Pharmacy Addition at Chicago
- **Technology Commercialization**
 - UIRP (Research Park at UIUC, EnterpriseWorks)
 - IllinoisVentures

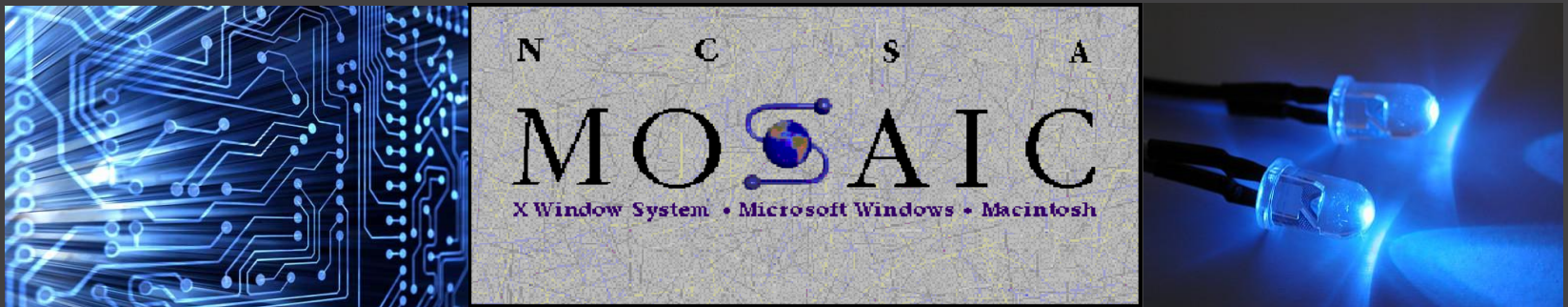


ECONOMIC IMPACT OF RESEARCH



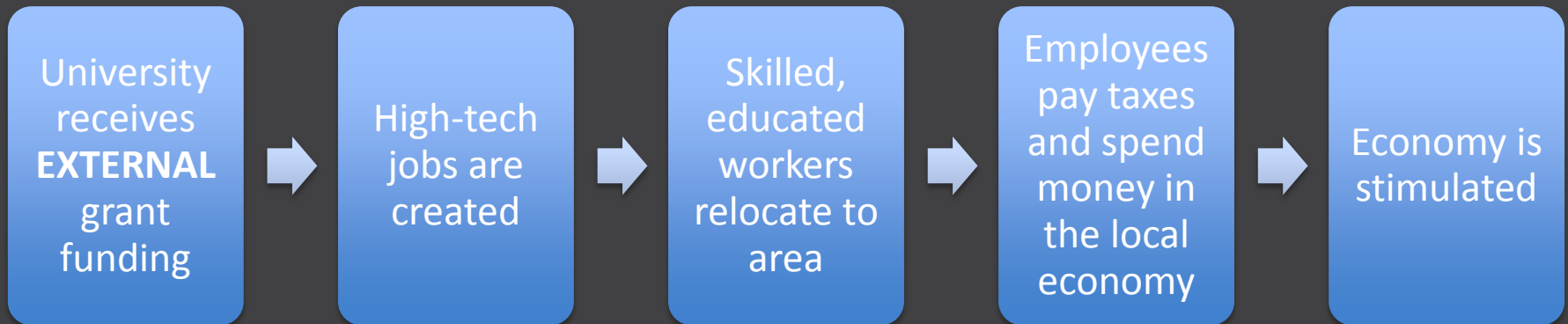
CREATING NEW TECHNOLOGIES THROUGH DISCOVERY RESEARCH (2013)

- Patents filed were 378
- Patents issued were 96
- Licenses and options were 96
- Start ups were 11
- Royalties were \$25.4M



RESEARCH FUNDING- DIRECT ECONOMIC GROWTH AND JOB CREATION

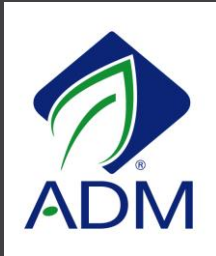
\$1B annual external research funding is approximately \$750M for salaries or 10,000-12,000 high paying technology jobs and income taxes!



CREATING & SUPPORTING GLOBAL BUSINESSES AND UI STARTUPS



\$175M in annual economic impact and almost \$15M in annual taxes



UNIVERSITY OF ILLINOIS
URBANA-CHAMPAIGN • CHICAGO • SPRINGFIELD

PROVIDING THE HUMAN CAPITAL TO UNDERPIN A TECHNOLOGY ORIENTED ECONOMY (STEM)

- 5th ranked College of Engineering (*US News and World Report*); *global top ten*
- More than 9,000 engineering undergrads enrolled across UI campuses each year – **that's more than Stanford, MIT, Berkeley, and CalTech combined**
- More STEM grads than all other Illinois public universities combined
- 400+ companies funded research UI last year involving students



AT THE CROSSROADS: THE STATE, THE UNIVERSITY AND TOMORROW'S PARTNERSHIPS

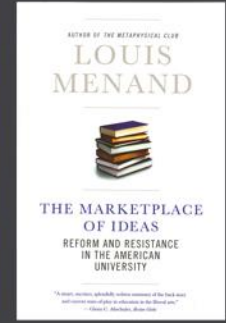
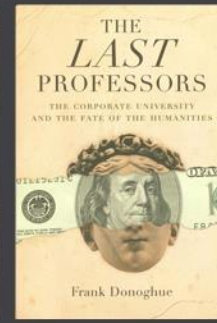
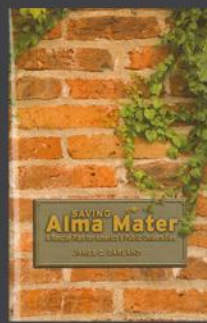
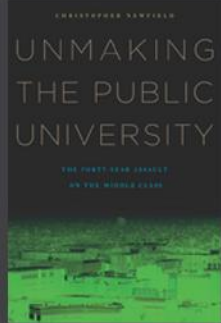
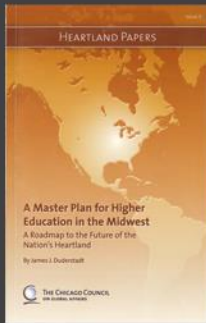
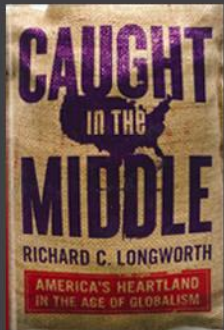
“Now is the time to take that same innovative, public-private approach to advanced manufacturing. In the last 3 years, manufacturing has been one of our state’s leading growth sectors, creating nearly 40,000 new jobs. We’re at the cutting edge of advanced manufacturing, and we need to stay there.

That’s why we’re partnering with the University of Illinois and the NCSA to create an advanced manufacturing hub where companies – big and small – come to learn and use the world’s most sophisticated tools and software. The **Illinois Manufacturing Lab** will make our manufacturers more competitive.”

Governor Patrick Quinn- State of the State 2013



UNIVERSITY OF ILLINOIS
URBANA-CHAMPAIGN • CHICAGO • SPRINGFIELD



Growing sense of urgency

