

Combining Excellence In Education, Research and Impact

SNS Seminar

March 5, 2014

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Stanford Goals

- Educate future leaders
 - In society
 - In the professions
- Perform world-class, cutting edge research
- Contribute to the surrounding society

Educate Future Leaders

- Admit outstanding students via thoughtful process
 - Grades
 - Outstanding achievements
 - Often better predictor of future performance
- Teachers educate and inspire
 - Teachers must be outstanding scholars and/or professionals
 - All faculty teach
- Provide broad liberal arts education
 - Students will take on many different roles in life
- Provide deep education in major

Perform World-class, Cutting-Edge Research

- Perform national or international search for all faculty members including junior
 - Select the very best researcher teachers
 - "Outsiders" bring new ideas, techniques and perspectives
- Hire assistant professor unless need for senior leadership or special opportunity
 - Outstanding research promise
 - Help if teaching needs improvement
 - Independent, but mentored
 - Tenure to those who are truly outstanding researchers and teach well (about 1/2)

Research and Teaching Mutually Reinforcing

- All faculty teach and do research
- Outstanding researchers
 - Remain current
 - Remain interested throughout their careers
 - Inspire students
- Teaching enhances research
 - Teaching yields deeper understanding of field
 - Bright, highly motivated students ask challenging questions

Contribute to the Surrounding Society

Students – Most Important Contribution

- Perform outstanding research as students
- Scholars
- Professionals
- Public servants
- Entrepreneurs
 - Companies
 - Non-government organizations

Contribute to the Surrounding Society

Faculty

- Educate the students
- Perform outstanding research
- Public servants
 - Part-time as advisers
 - Full-time on leave
- Entrepreneurs
 - Companies
 - Non-government organizations
- Consultants
 - Provide expertise to industry and government
 - Particularly important for start-ups
 - Enhances teaching and research

Technology Transfer

- Stanford considered world leader
 - 2011-12
- \$66.8M in royalty revenue
- From 600 technologies
- 101 new licenses were concluded
- 8 new companies were started up.
- ~\$32M were shared by the University's departments, schools and Vice Provosts of Research and Graduate Studies

Eesley-Miller Report

- 39,900 active companies can trace their roots to Stanford
- If these companies collectively formed an independent nation, its estimated economy would be the world's 10th largest.
- ~5.4 million jobs
- Annual world revenues of \$2.7 trillion.
- Far greater contribution than technology licensing
- Over 30,000 non-government organizations formed
- Moral – Educate students well

WEALTH CREATED IN SILICON VALLEY BY STANFORD ALUMS IS STAGGERING

- Of the 150 largest* publicly traded companies in the Valley, 37 Stanford alumni-founded companies (25% of total) represent
 - \$453 billion in market value (46% of total)**
 - \$138 billion in revenue (47% of total)



* Ranked by 2003 revenues

** As of March 31, 2004

The End