

*First Turkey-Michigan Forum
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Trends in Higher Education: University Partnerships

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Michigan State University

- MSU scope:
 - 50,000 students
 - \$2B annual operating budget
 - \$500M in external contracts
 - 1.2 M outreach contacts
- Expectation of integrated teaching, research, outreach
- Commitment to solving societal problems
- Expert in workforce development, building new economy
- Emphasis on international engagement



Partnerships - Dedicated Units

- Cooperative Extension
 - Translating research to society
 - Traditional rural role
 - Health, environment, education, community development
- Business Connect
 - Access point to University for business world – esp. for research and development



Partnerships - Dedicated Units (continued)

- Spartan Innovations
 - Incent and support entrepreneurial activity for faculty and students
 - Funding, CEO mentors-in-residence
 - Access to network of potential investors
- Prima Civitas
 - Independent economic development corporation
 - Leverage local and state resources through the use of university resources
- Others...



Potential Partners

- Universities
 - Research, Instruction, Outreach
- Corporations
 - Research, Instruction, Outreach
- Foundations
 - Outreach/Research, Instruction
- NGO's
 - Outreach, Instruction



Some Illustrative Examples....



Great Lakes Bioenergy Research Center

- University and industry collaboration
 - Cornell University
 - Illinois State University
 - Iowa State University
 - Lucigen Corporation
 - Michigan State University
 - Oak Ridge National Laboratory
 - Pacific Northwest
 - University of British Columbia
 - University of Missouri
 - University of Toledo
 - University of Wisconsin Madison
- Basic research that generates technology to convert cellulosic biomass to ethanol and other advanced biofuels
- 1 of 3 national centers funded by U.S. DOE to conduct transformational biofuels research (\$35M)



National Children's Study

- MSU leading an alliance of Michigan's top research universities, health care systems, and agencies
 - Children's Hospital of Michigan
 - Henry Ford Health System
 - Michigan Department of Community Health
 - Michigan State University
 - University of Michigan
 - Wayne State University
- Led by consortium of federal partners
- One of 30 pilot sites nationwide for largest human health study ever undertaken (\$75M)



Bio/computational Evolution in Action CONsortium (BEACON) Center for the Study of Evolution in Action

- Connects biologists and computer scientists from across U.S. to study evolution in action
 - North Carolina A&T State University
 - University of Idaho
 - University of Texas at Austin
 - University of Washington
- Involves more than 30 MSU faculty researchers
- One of 5 U.S. Department of Energy Centers (\$25M)



Fraunhofer USA Center for Coatings and Laser Applications

- Research partnership between MSU and Fraunhofer Gesellschaft, largest organization for applied research in Europe
- Based on complementary expertise in areas of conventional coatings, carbon-based coatings, microwave plasma processing and laser processing
- MSU Fraunhofer Center ~ \$5M revenue/year



Secchia Center

- MSU College of Human Medicine partners:
 - Spectrum Health System
 - Van Andel Research Institute
 - Saint Mary's Health Care
 - Grand Valley State University
 - Grand Action
 - The Right Place
- Health care delivery, research, economic stimulus
- \$90 million, privately funded medical education facility
- Expansion of MSU CHM educational program to West MI
- Secchia Center receives \$7.2M/year in partner contributions



Bisk Education

- MSU Broad College of Business agreement with Bisk Education Inc.
- Development of online, non-credit, certificate programs
 - Supply Chain Management
 - Strategic Leadership and Management
 - Hospitality Business
- Cumulative enrollment by Dec. 2013 estimated to be 3,090, with cumulative net revenue of \$1.25M



Tanzania Partnership Project

- Alliance of local and international organizations
 - University of Dar es Salaam
 - Aga Khan Foundation
- Make communities more sustainable in health, education, and economy
- Several MSU Colleges
 - Agriculture and Natural and Resources
 - Communication Arts and Sciences
 - Education
 - Nursing
 - Social Science
 - Veterinary Medicine



MSU Partnerships

- Strengthening MSU's financial stewardship
 - Featured partnerships alone generate ~ \$30M annual revenues
- Expanding MSU's reach—locally, nationally, globally
- Increasing MSU's research opportunities
- Advancing MSU's mission and values into 21st century

