

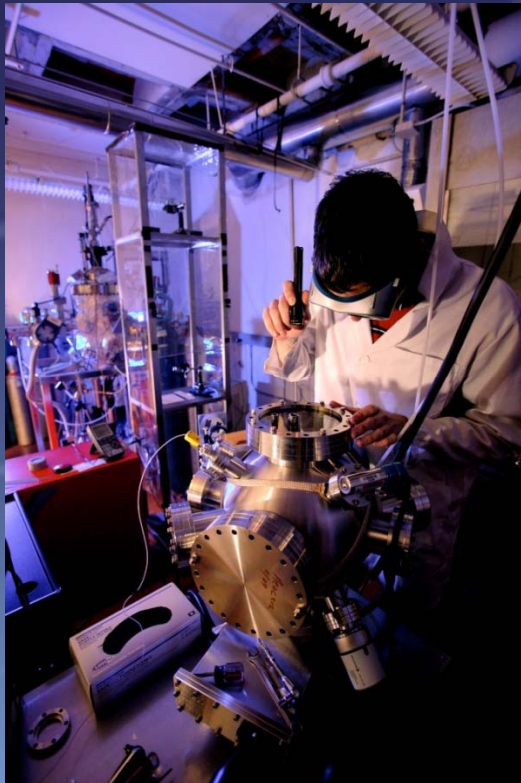
Oregon Innovation Plan and the Oregon Translational Research & Drug Development Institute A Legislative Roadmap to Create Jobs, Expand Markets and Compete in the Global Economy



Washington Bioscience Business Roundtable
December 2, 2009



What are the goals of the Oregon Innovation Plan?



KEY GOALS

- Provide state seed funding to enable industries to accelerate innovation
- Focus on Oregon's competitive advantages – leverage strengths in growth areas
- Emphasize industry-university partnerships – link research with commercialization
- Business-leadership driven & built on coalitions
- Inclusive, competitive & accountable process
- Prioritize initiatives based on return on state's investment
- Administration through Oregon Innovation Council (Oregon InC) and funded through the Oregon Lottery



What is Oregon InC?

HISTORY

- Created by the 2005 Legislature to oversee state economic competitiveness strategy
- Charged to develop an innovation plan each biennium to guide governor & legislature on policies and investments to grow Oregon's economy



MEMBERSHIP

- Council members include 40+ recognized state leaders from Oregon industries, higher ed & government
- Serves as a statewide "umbrella" group, incorporating members from many of the state's business & education organizations



The 2007-09 Innovation Plan

TOTAL 2007-2009 Innovation Plan = \$28.154 Million

- Signature Research Centers
 - ONAMI (nanotechnology) - \$9M
 - Oregon BEST (sustainability) - \$2.5M
 - **OTRADI (biomedical and drug development) - \$5.25M**
- Industry initiatives
 - Manufacturing competitiveness - \$2.872M
 - Food processing - \$3.432M
 - Seafood - \$900,000
 - Ocean wave energy - \$4.2M
- Enabling innovation
 - Commercialization of research – OGA + University Venture Fund
 - Statewide Angel/Entrepreneur Network
 - Streamline tech transfer





Oregon InC Accountability

2007-09 Balance Sheet

The Legislature asked Oregon InC to chart its progress using 3 broad measures:

- Leverage
- Companies created
- Jobs created or retained

Biennium totals:

Leverage: \$124.7 million (4.4X) investment, grant and other financing to affiliated researchers and companies

Companies: Total 15 founded; 14 still operational and 5 seeking outside capital

Jobs: 894 created or retained by ONAMI, OTRADI, Food Processing and Seafood Initiatives



Signature Research: OTRADI

(Oregon Translational Research and Drug Development Institute)

VISION

To accelerate biomedical discoveries & related commercialization in Oregon

ADVANTAGES

- Past 4 years OUS+OHSU generated ~\$15 M per year in IP revenue (infectious disease research, drug development & biotechnology)
- Strong OUS research departments
- Oregon Collections
- Gates Foundation
- Potential for DoD and SBIR funding



PARTNERS

Oregon University System (OUS)
Oregon Health & Science University (OHSU/OGI)
Oregon Proteomics Consortium
Oregon Clinical Translational Inst.
Oregon Bioscience Accelerator

2007-2009

Investment

Total: \$4.8 Million

Biennium Leverage: \$13M

OTRADI Mission

OTRADI is a non-profit research and development organization, supported in part by the State of Oregon, that strives to promote bioscience industry growth and job creation in Oregon. OTRADI achieves this goal via collaboration with private and public sector entities in the bioscience community to discover, develop, and commercialize therapeutics, vaccines, diagnostics and other life sciences products important for human health.

OTRADI - LEVERAGING RESEARCH COMPETENCIES



Inter-institutional, interdisciplinary Oregon collaboration:

- OSU: chemical & pharmaceutical science, chemical & natural compound libraries, oceanographic institute
- OHSU: cellular & molecular biology, oncology, primate center, clinical trials
- PSU: organic chemistry, natural products & therapeutic delivery
- UO: proteomics, protein crystallography, biochemistry, organic synthesis & medicinal chemistry

OTRADI Signature Research Center

(A Government + University + Industry = Collaboration)

RESEARCH

APPLICATION

COMMERCIALIZATION



Universities

World Class Research Collaboration For New Infectious Disease, Oncology, Vaccines and other Therapeutics

New Therapeutic Entities



A One-of-Kind Non-profit Facility to Streamline Process to Translate Research Into Potential Drugs and other Therapeutics

Pre-seed stage Funding

Oregon Bio-Accelerator

A For-Profit Company to Build Venture Capital Alliances and Spin-off Companies

- Core Expertise & Facilities
- OUS/OHSU Consortium
- Research Competencies
- New Therapeutic Entities
- Attracts Grant Funding

- Link to Commercialization
- Collaborations with Academia and Industry
- Fee-for-Service Revenue
- Leverage Research Funding
- Leverage License Value

- Planning for \$250M OUS/OHSU Life Science Collab. Bldg. (2012)
- Grow Bioscience in Oregon
- Spin-off Companies
- Return on Investment
- Creation of Oregon Jobs



Oregon Translational Research & Drug Development Institute



Staff members at OTRADI:

Undergraduate Intern Neal Pisenti,
Dr. Yih-Tai Chen, Dr. Patricia
Beckmann, Dr. Martin Smilkstein, Dr.
Jennifer Fox, ASE high school intern
Katherine Huynh, Susan Thompson

www.otradi.org