



Oregon Translational Research & Development Institute



OTRADI Bioscience Incubator

Translational Research and Incubating New Companies and Jobs for Oregon

Jennifer Fox for House Committee on Higher Ed, Innovation and Workforce Development



OTRADI is an Oregon Signature Research Center

OTRADI's Mission:

Fuel economic development of Oregon's bioscience industry by developing and translating innovative research into products and companies that benefit human health and create high-wage jobs for Oregon.

OTRADI's Value Proposition:

OTRADI Labs:

Oregon's only Bioscience Proof-of-Concept Labs

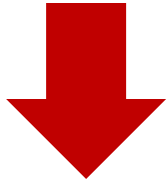
OTRADI Bioscience Incubator (OBI):

Oregon's only Bioscience-Focused Business Incubator

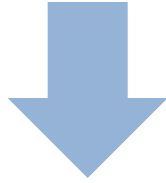


Translational Research: Transforming Research into Industry

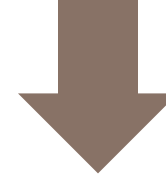
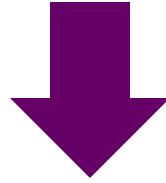
University-Driven
Basic Research



Scientific Resources
Grant Partnering
Early Funds (UVDF)



Proof-of-Concept/Gap Funding (SRCs)
Industry Partnerships



Incubation
Specialized Mentoring
Attract Angel/VC Investment



IDEAS

An Oregon university develops a research breakthrough – a technology with commercial potential.

PROOF OF CONCEPT

University Venture Development Fund

Donor-supported university venture development fund provides financial support to researchers and entrepreneurs to transform basic research discoveries into proven targeted applications.

SCALE-UP

Signature Research Center Funding

Signature Research Centers – ONAMI, Oregon BEST, OTRADI – provide gap funding and access to facilities researchers and startup companies for testing prototypes and developing production processes to bring new products to the market.

COMMERCIALIZATION Outside Investment

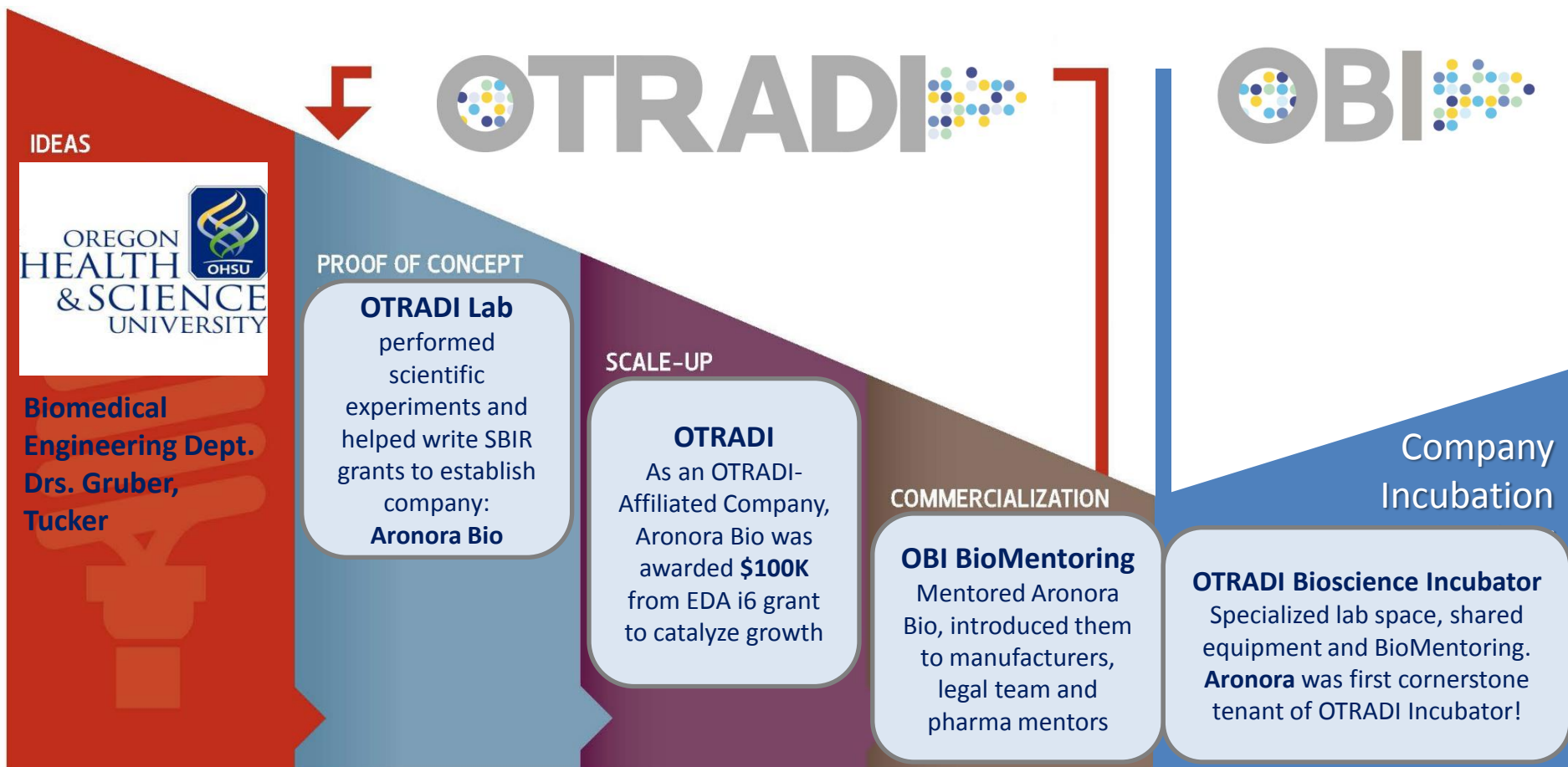
Startup company attracts outside investors. Commercialization of university-derived intellectual property provides financial returns to the university.

Company Incubation

OTRADI Bioscience Incubator
Portland State Business Accel.
Incubators can be biz sector or region specific. Provides physical space and/or mentoring and programs.

Example of OTRADI Pipeline: Case Study Aronora Bio

A Continuum of Innovation, Incubation and Job Creation



- \$14M in SBIR awards since 2009
- 3rd largest recipient of NIH SBIR funds in the US
- First company to join the OTRADI Bioscience Incubator
- \$10's of millions of funding by top Pharma Company
- 1st drug candidate entering Phase 1 clinical trials in 2015



OTRADI Bioscience Incubator

Value Proposition: De-Risk BioStartups

Unique Laboratory Space: 16,000+ sq. ft. new labs, offices and meeting space

Shared Heavy Equipment: Access to cost-prohibitive shared equipment and meeting

Tech: OTRADI Lab, robotic equipment and scientists are on-site to provide scientific proof-of-concept work and grant partnering

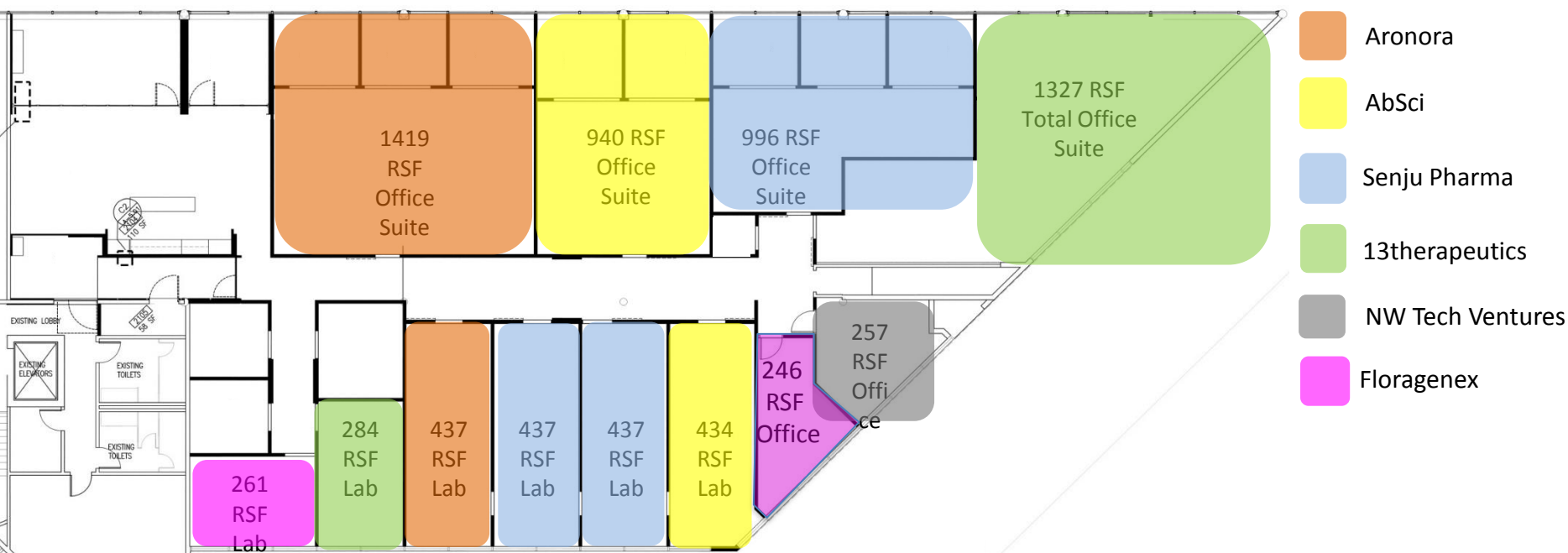
Specialized Mentoring: Entrepreneurs-in-Residence and **Unique BioMentoring Program** to assess company needs, identify and reach milestones and accelerate companies' growth

Collaboration: Share resources, ideas and space with like-minded companies. Networking Events, Startup CEO Roundtables, Lunch and Learn Opportunities

Attraction: Hub of bio-startups attracts industry and VCs looking to partner

RETURNS: Achieve surge in federal SBIR grants for bio companies, provide new vehicle for strategically showcasing start-up companies for VC and early stage capital investment, increase number of high-wage jobs for Oregon

Opened June 2013
 100% Full with Six Companies within 6 weeks
 Waiting List of up to Twelve Companies





Highlights: Year One



Awarded \$4.8 million total in NIH SBIR funding
Since June 2013



Grew its workforce 250% since June 2013;
Co-wrote SBIR grant with Aronora for product dev.



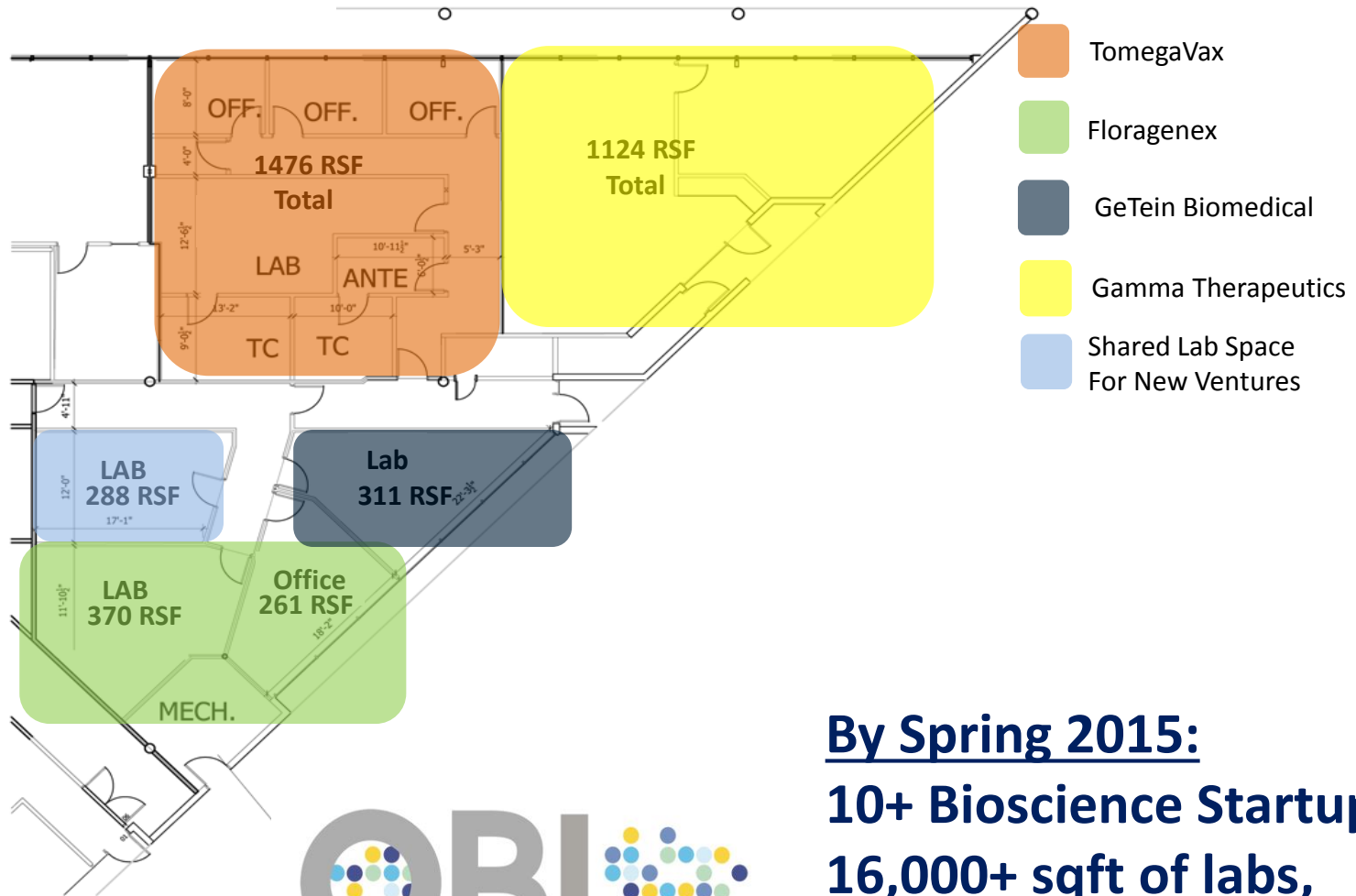
Best year of revenue generation to date; working
with OTRADI to automate/streamline

In response to growing startup waiting list, OTRADI requested and received Governor's Strategic Reserve Funds to build out additional 3,800 sqft of incubation space. Adding four more startups in spring 2015!



OTRADI Bioscience Incubator

Current Expansion: Adding 4+ Startups



OTRADI Bioscience Incubator

By Spring 2015:
10+ Bioscience Startups in
16,000+ sqft of labs,
private and collaborative
space

How can Oregon speed up the innovation-incubation-jobs cycle?

- **Continue funding OTRADI and other Oregon InC Initiatives**
- **Help us find additional proof-of-concept, gap and commercialization funds to translate basic research into products and useful technologies**
 - HB 2569 extends the sunset of the university venture development fund (UVDF) to 2023 and increases the maximum credits from \$6 million to \$15 million.
- **Help to incentivize and grow startup companies in Oregon**
 - HB 2752 Section 2 allows companies with sales of less than \$1 million to claim their allowable R&D tax credit as a refund rather than a carry forward

