# PORTLAND OREGON RESEARCH & COMMERCIALIZATION CLUSTER

*Portland's vision is to be a leader in research and innovation to enhance economic prosperity. The PDC is focused on developing the physical infrastructure to support research and development (R&D), attracting innovative firms and entrepreneurs to the region, and capitalizing new ventures.*

*The creation and adoption of new products, services and business models is a fundamental driver of economic prosperity, and the companies, universities and institutions behind those new products expand markets and sales, stimulating investment and ultimately creating jobs.*

## WHY PORTLAND

• **R&D activity in Oregon is growing** and competitive on a per capita basis. Total industry, university and government R&D expenditures in Oregon exceed $4 billion annually.

• **An estimated 63,000+ science and engineering professionals** are currently employed in the Portland region. The Portland region is more concentrated than the nation as a whole in computer and mathematical science, architecture and engineering, and life, physical and social science occupations.

• **Oregon's research universities all prioritize technology commercialization.** Each institution can claim recent success in filing patents, licenses and invention disclosures, spinning off companies and capitalizing new ventures.

• **Oregon ranks third in the nation for patents awarded per 1,000 individuals in science and engineering** occupations, behind only Idaho and Vermont. On average the Portland region issues more than two thousand patents a year.

• **Access to early-stage and venture capital is improving.** In 2010 Portland area firms were awarded more than $100 million in venture capital funds and more than $15 million in Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) grants.

•**The region is home to an array of innovation sources**: academic institutions, firms and organizations with considerable expertise in bioscience, software, computer and electronics manufacturing, materials science and clean technology.

## OPPORTUNITIES

• **Schnitzer Campus/OUS Life Sciences Center** – PDC and the city will partner to build out district infrastructure in support of this development.

• **Location of a satellite branch of OSU Apparel Research Center** – The Center works with industry on 1) textile selection and testing, 2) apparel design and product development, and 3) market research and merchandising - a natural fit with the region's concentration of athletic and outdoor firms.

• **Central Eastside (CES) Entrepreneurial District** – Build public/private partnerships to capitalize on the district's organic growth and create high-wage jobs in high-growth industries

• **Green Innovation Park** – PDC will partner with Building Research Establishment, Ltd. (UK) to provide green building firms with a low risk option for testing new innovative products.

## SELECTED ACCOMPLISHMENTS

• **Portland Seed Fund** – $540K committed to help capitalize fund to invest in early-stage businesses

• **PSU Accelerator Wet Lab** - PDC contributed $1.5 million to support the construction of new wet lab space for start-up companies.

• **Oregon Sustainability Center** – Schematic design initiated for projected triple net-zero high rise

## SIGNATURE RESEARCH CENTERS

❖ **ONAMI**: Oregon Nanoscience and Microtechnologies Institute

❖ **OTRADI**: Oregon Translational Research and Drug Development Institute

❖ **Oregon BEST**: Oregon Built Environment and Sustainable Technologies Center

❖ **OWET**: Oregon Wave Energy Trust

| Research & Commercialization Cluster Snapshot | |
|---|---|
| Total R&D Expenditures, Oregon, 2007 | $4.3 billion |
| Venture Capital Investment, City of Portland, 2010 | $109 million |
| Patents Issued, Portland (4 county area), 2010 | 2,327 |
| Estimated Science & Engineering Employment, Portland MSA, 2010 | 63,600 |

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