



Nanoscience & microtechnologies



ONAMI
OREGON NANOSCIENCE AND
MICROTECHNOLOGIES INSTITUTE

Dennis Stiles, Co-director, ONAMI



Grow Research Capacity and IP...*Speed Commercialization*

Oregon Nanoscience and Microtechnologies Institute

PNNL	OSU	UO	PSU
Microproducts Nanoscience Materials	Microchannel Platforms	Nanomaterials	Nanoscale Metrology
EMSL	Semi. Matls and Devices	Elec. and Optical Devices	CNT& NW applications
Technical Advisors	501c3 Board	Commercialization Council	
Industry Partners			

**OHSU-OGI
Collaborations**

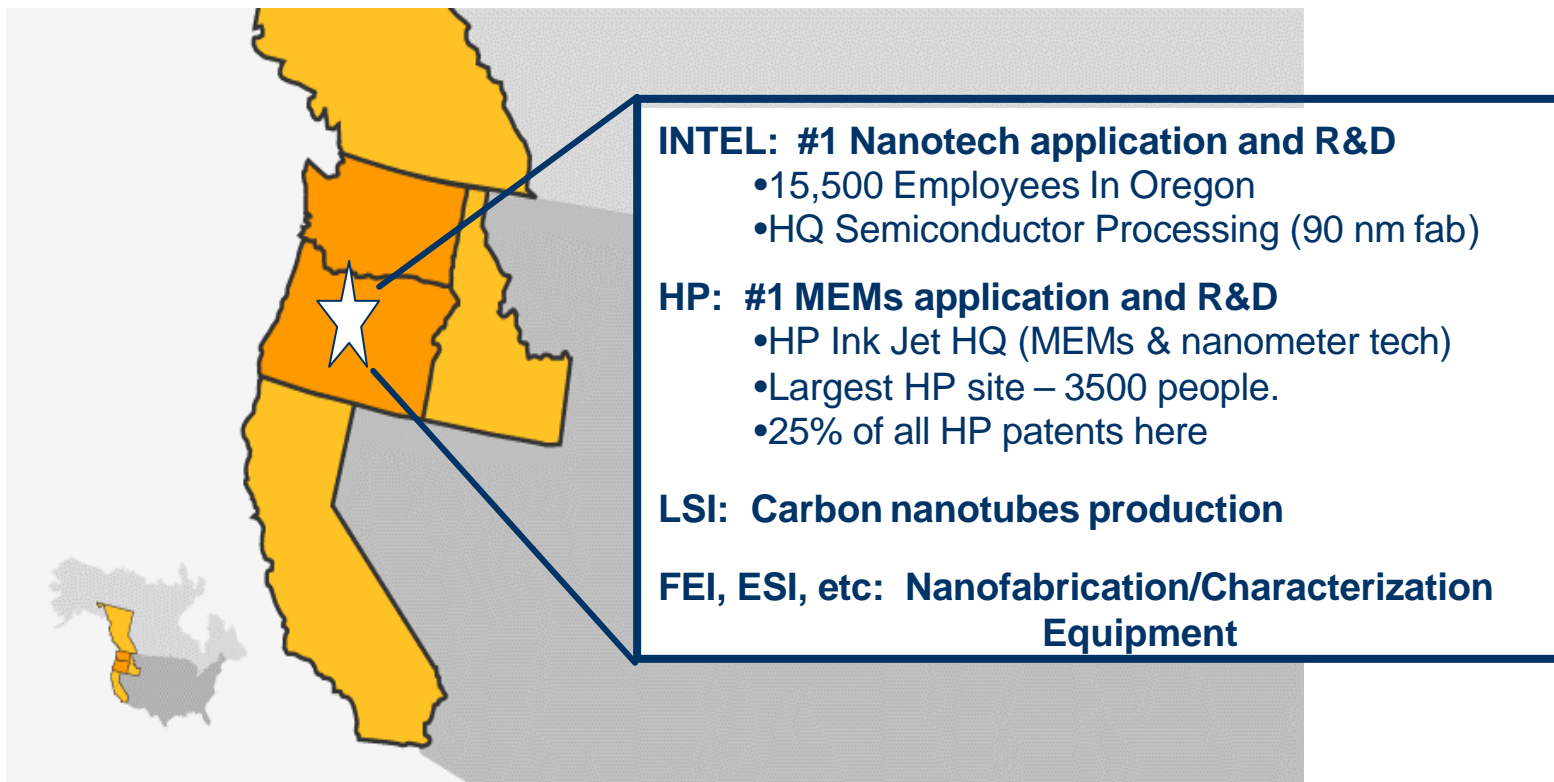
**UO-SOU
Curricular
Development**

**OIT/OREC
Potential
Collaboration**



Initially ONAMI Leverages Oregon's Leadership in Industrial Nano-tech

- Oregon is a leader in corporate-based nano R&D
- Corporate research is in the \$ Billions





ONAMI Research Thrusts

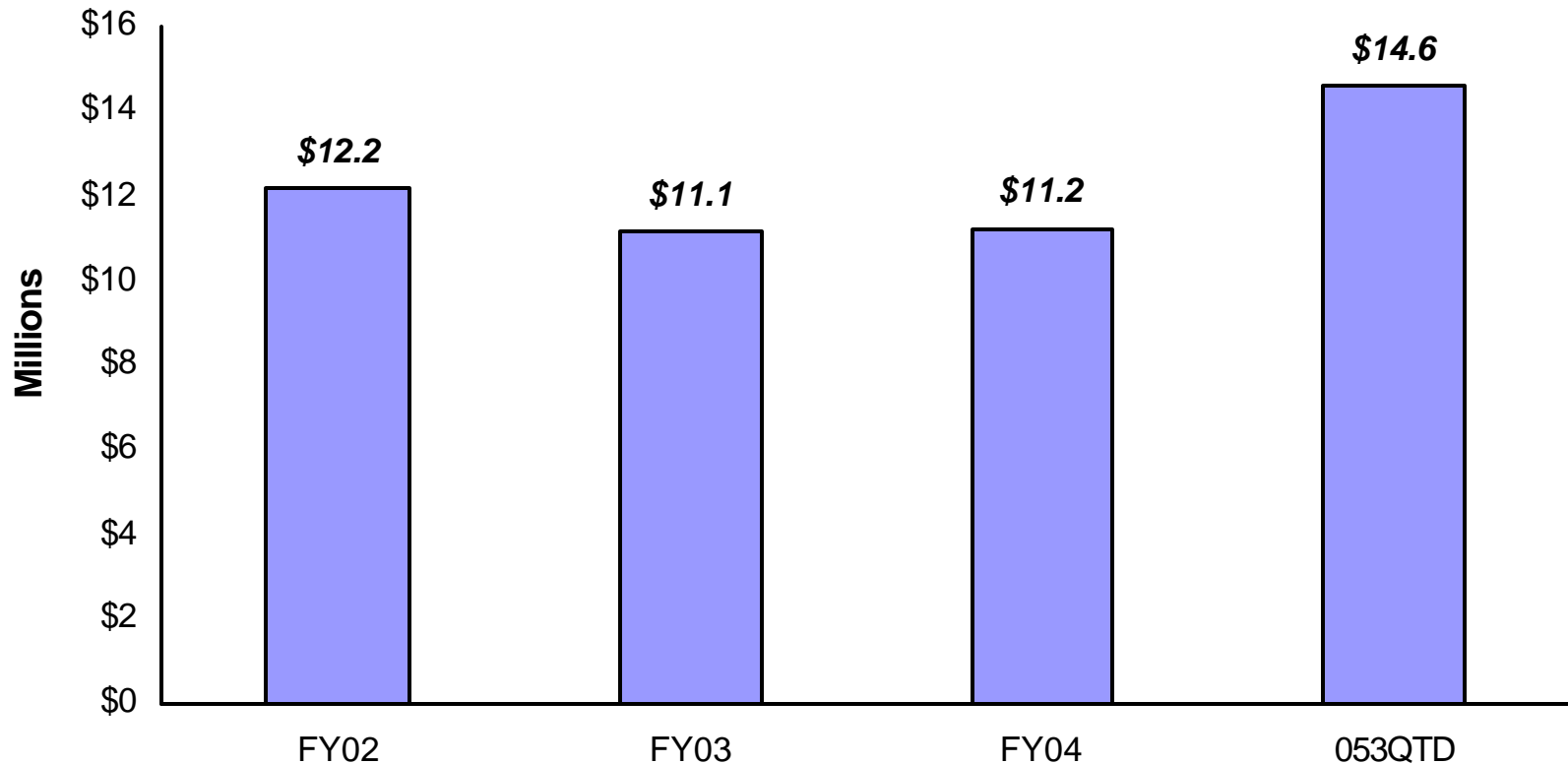
- ④ **Microtechnology-Based Energy, Chemical and Biomedical Systems**
- ④ **Safer Nanomaterials and Nanomanufacturing**
- ④ **Nanoscale Metrology and Nanoelectronics**



Total ONAMI \$\$ Awarded

(FY05 Q1-Q3 only, OUS only, \$5M earmark funds not yet included...expected in Q4 or early Q106)

ONAMI-related Awards in OUS



Additional Sector Opportunities

- ④ **Nanobiotechnology**
- ④ **Sustainability**
- ④ **Natural Resources**

Business Plan- Ten-Year Targets

- \$400M Federal R&D Funds Over the Decade
- Up to 1600 Jobs Directly Supported Per Year
- Business Incubation: Up to 15 Start-Ups Created
- Major Expansion of Joint R&D Facilities