R&D Partnership Opportunities

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UW SEATTLE

46,081

UW BOTHELL

5,735

UW TACOMA

5,003

EDUCATIONAL OUTREACH

50,000+

UW serves more students than any other Northwest institution
Fall 2016 enrollment figures for campuses

A World Leader in Research & Education

Scope & Scale
16 Colleges & Schools
180 majors
530 degree options
56,819 students
>4300 Faculty

Financial Support
$6.9B budget
$1.3B for research

Scientific Publications
6 in the World
1 among US Publics
NTU Rankings, 2016

On Campus

Talent
15,992 degrees granted
>6000 in STEM fields

Innovation
15 startup companies
467 patent applications
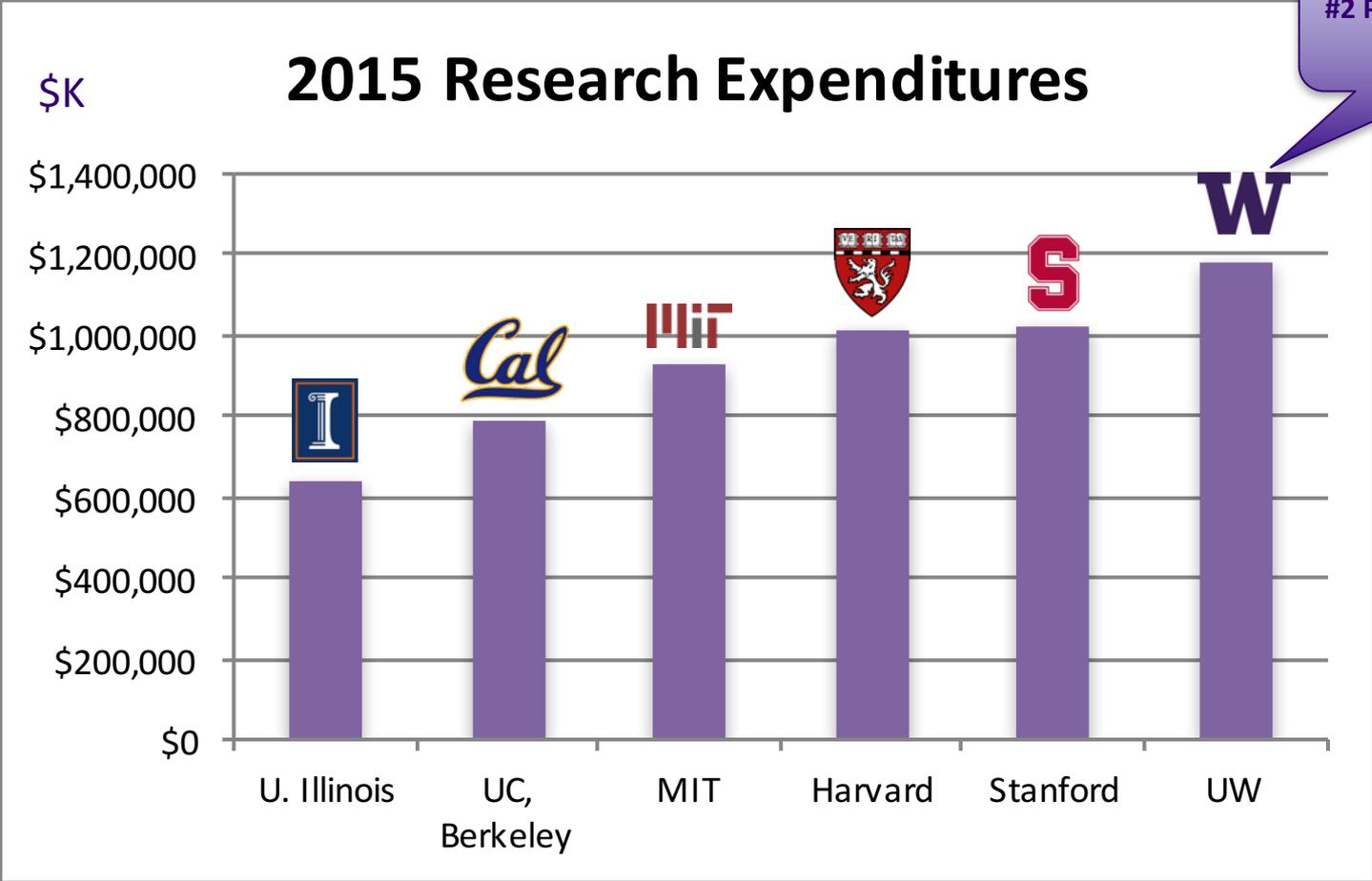81 issued patents

Economic Impact
$12.5B per year

Regional Impact

**Ranked #1 most innovative public university
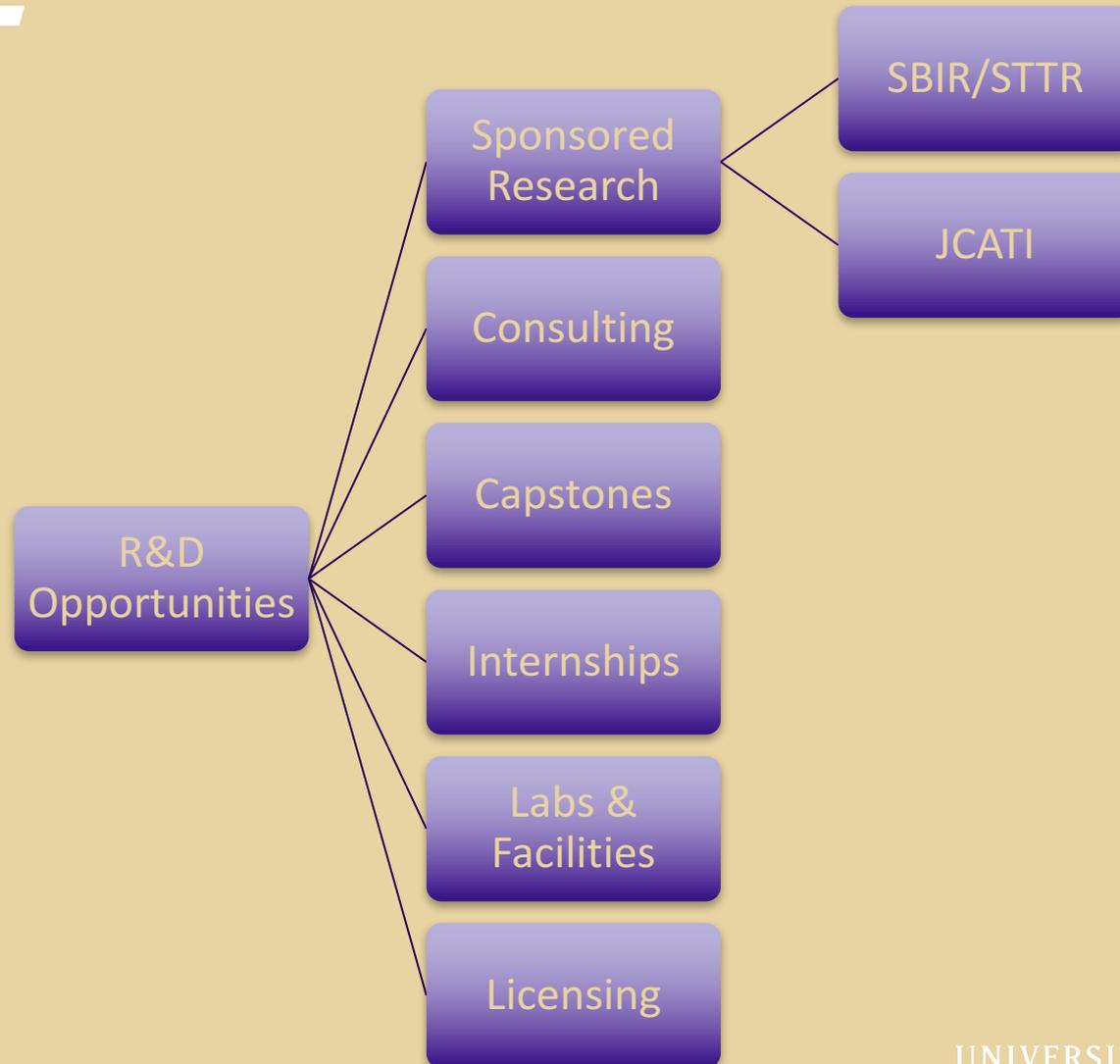by Reuters**

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Research Expenditures – Top Schools

2015 Research Expenditures — bar chart

#3 Nationally
#2 Public Univ. Fed. $

$K

School	Expenditure
U. Illinois	~$640,000
UC, Berkeley	~$790,000
MIT	~$930,000
Harvard	~$1,020,000
Stanford	~$1,030,000
UW	~$1,180,000

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R&D Engagement Opportunities

University of Washington

Sponsored Research Projects

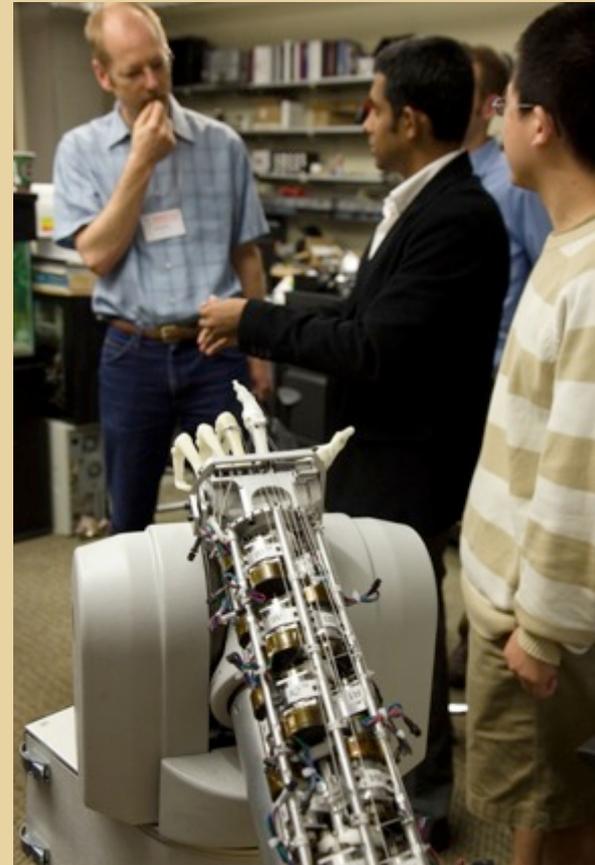**Customized research project with UW Faculty**

- Project defined jointly with company
- UW Corporate Relations team can connect your company with UW experts

Sponsor can license project IP

- New pre-packaged IP program

Cost depends upon project scope

- Costs start at about $80K per year
- Small businesses can fund with SBIR/STTR

Federal Grants: SBIR/STTR

Small Business Innovation Research

- 11 federal agencies
- PI is from company
- University can do up to 33% of work (Phase 1); 50% (Phase 2)

Small Business Technology Transfer

- 5 federal agencies
- PI is from company OR university
- Small business MUST do at least 40% of work
- University MUST do at least 30% or work

Federal Grants: SBIR/STTR

Eligibility

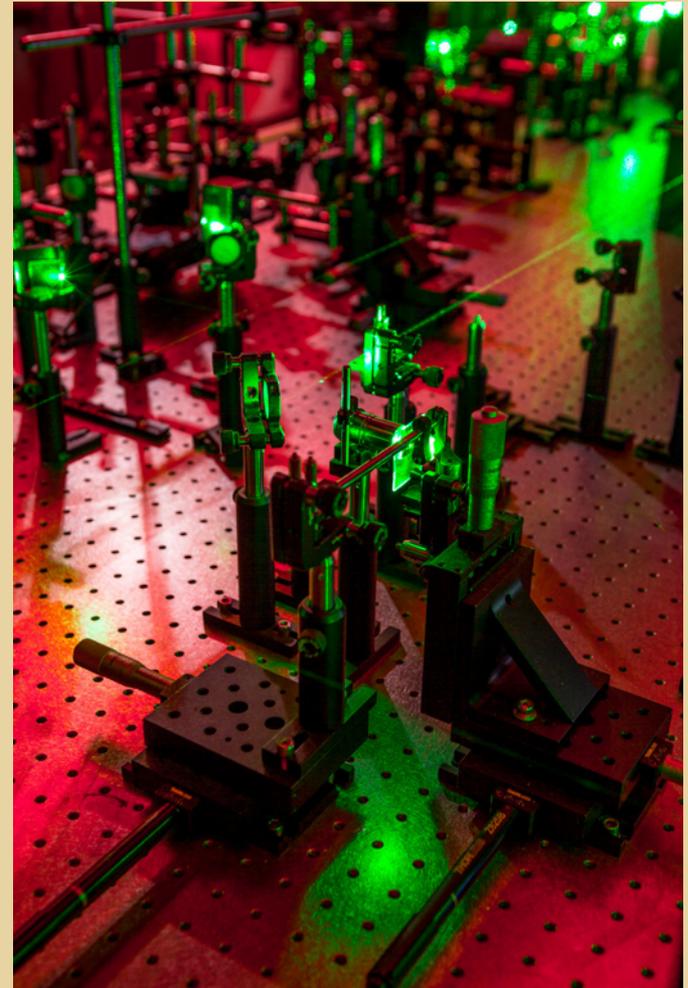- <500 employees
- >50% US owned
- US-based

Phases

- Phase 1: Up to $150K, 6-12 months
- Phase 2: Up to $1M, up to 2 years
- Phase 3: Commercialization

Calls for Proposals

- Ongoing; frequency varies by agency
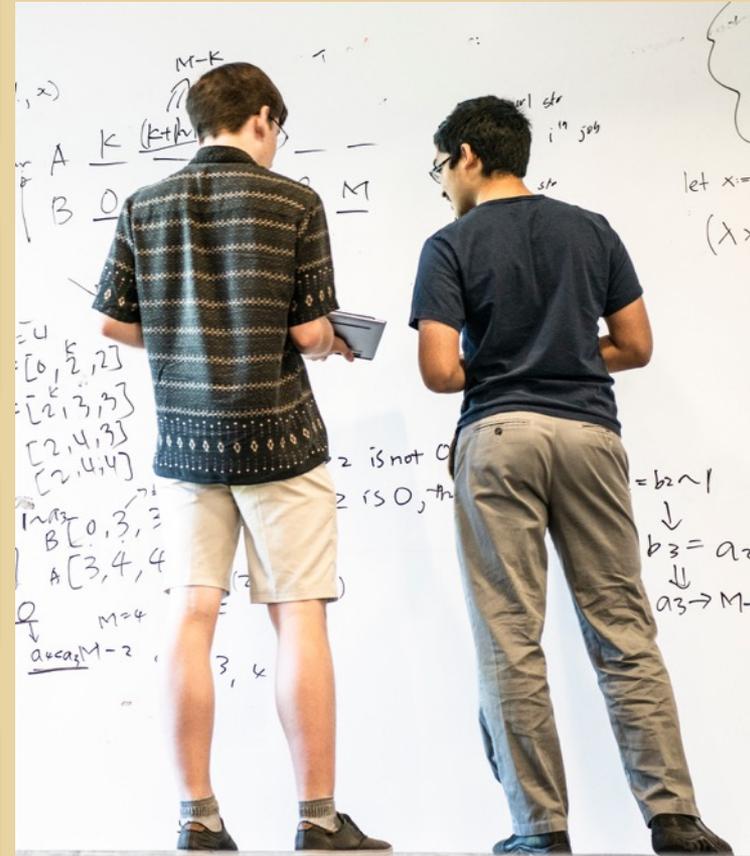
More Info: www.sbir.gov

JCATI

Joint Center for Aerospace Technology Innovation

Washington State funded program to encourage university-industry research partnerships in aerospace.

Faculty partner with a company on an industrially relevant project.

Awards are $50-100K; about 8 awards per year at UW. Company must provide in-kind support.

For more info: www.jcati.org
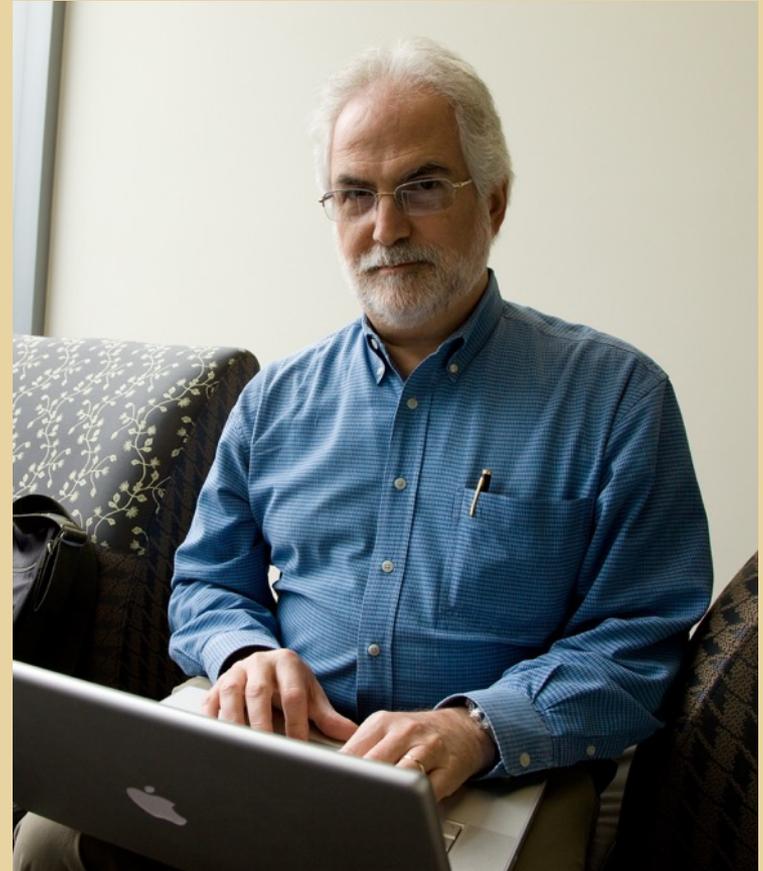
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Faculty Consulting

Engage a UW expert to help with your challenging projects

Great way for small & large companies to leverage UW expertise

De minimis use of UW facilities, employees, materials or equipment

Industry Capstone Projects

Integrated design project for seniors in engineering majors.

Companies sponsor student teams to tackle real-world problems.

- Cost is $10K and includes non-exclusive license to project IP

Company provides mentor to advise team and keep them on track

Great opportunity to evaluate talent and get extra bandwidth for challenging problems

Engineering Internship Program

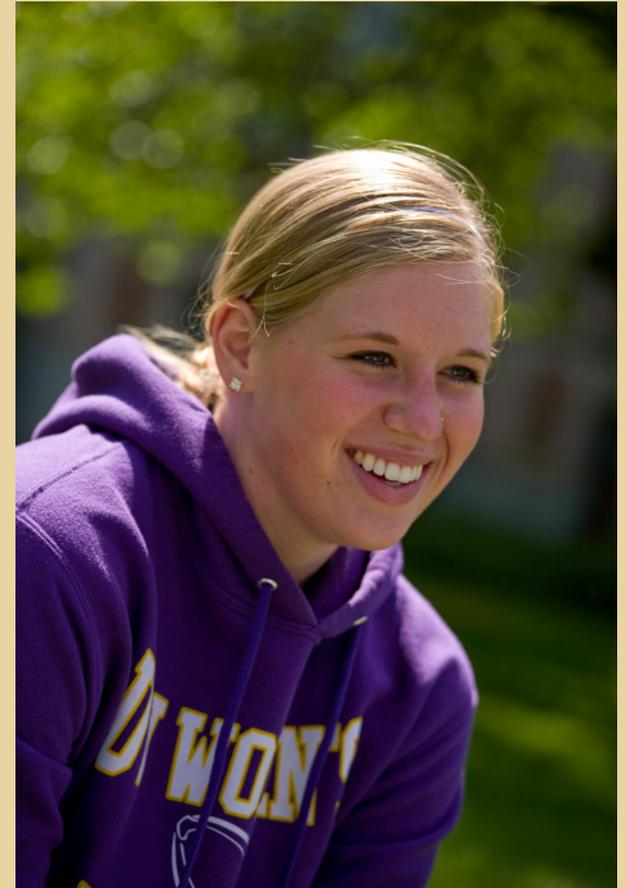Companies hire students for 1, 2, or 3 quarters

Great way to recruit, evaluate talent

Provide valuable real-world experience for students

- 66% of graduating students have done internships

Career Center @ Engineering

User Facilities – Engineering

Specialized labs & facilities that are available on a fee basis

Kirsten Wind Tunnel

- Subsonic wind tunnel

Environmental Health Lab

- Chemical hazard identification, monitoring and analysis

Molecular Analysis Facility

- Access to advanced tools: SEM, TEM, AFM, XRDWNF
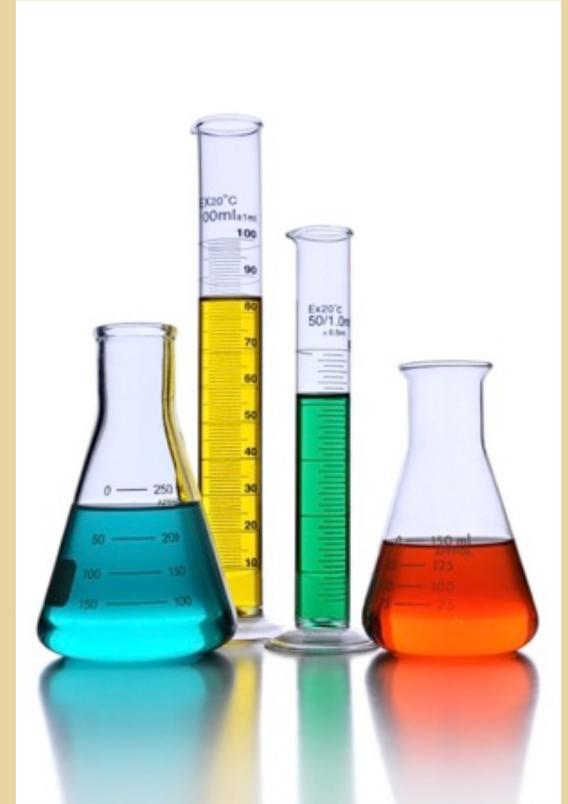
Licensing

Principal means for universities to commercialize technology

UW is a leader in technology transfer

Online, searchable database of available technologies

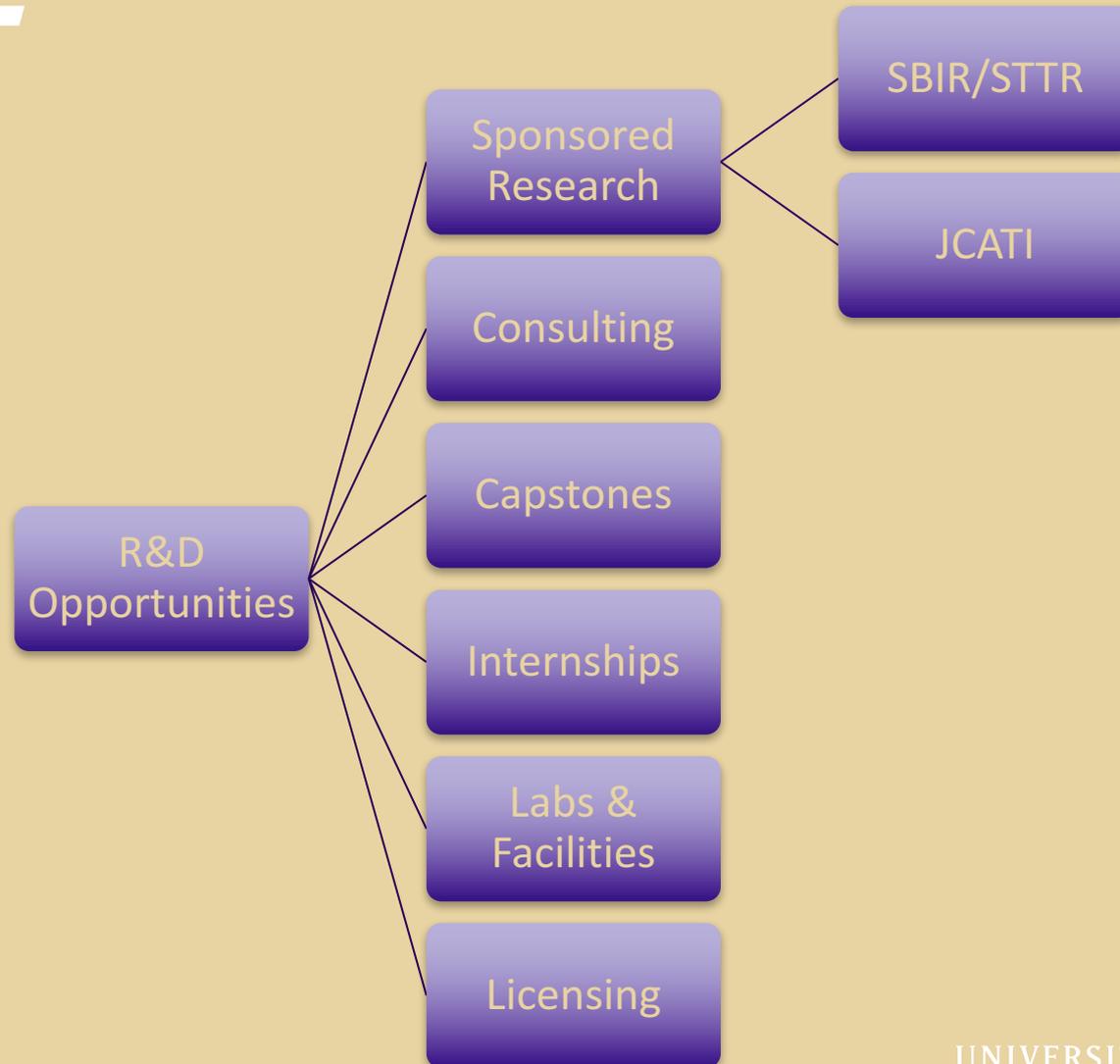Express licensing for software & tools

Our Technology Managers can help your company explore UW technologies

#19th globally in granted utility patents
#7 in US for tech transfer

Licensing data is for FY12

R&D Engagement Opportunities

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Questions?