



Intellectual Property

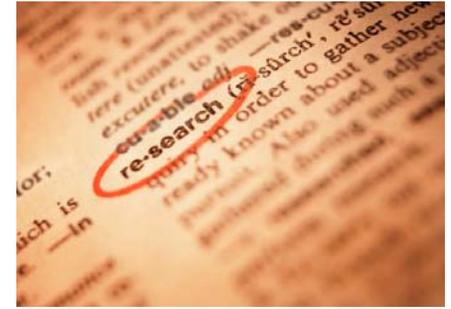
ND Legislative Study, January 2014

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UND Research



- 2012-2013 research expenditures of \$89M
- Strengths

- Energy & Geology (Bakken)
 - Petroleum Engineering
 - Harold Hamm School of Geology
 - EERC
- Aviation, in particular UAS
- Medical School, Life Sciences



- UND is still fairly new to commercializing research

UND IP Polices/Procedures

- First follow NDUS IP policy
 - 611.2
- Campus IP Policy
 - Developed w/ University Senate
 - *What we do*
 - Ownership
 - Income Distribution
 - Covers patent(s), copyright(s) and Trademark(s)
- IP procedures
 - *How we implement policy*



Best Practices



- National Organization – AUTM
 - Association of University Technology Managers
 - Member since 1995
 - Served on National Board
 - Currently serve on Regional Committee
- Helps shape best practice
 - Bayh Dole
 - Strong national advocacy



Commercialization Process

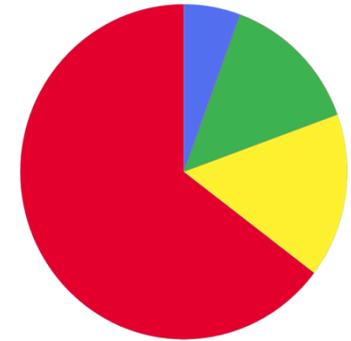


Federal Funding
Or other fundamental
Research funding



Company translation to product

Revenue Distribution



- After out of pocket cost recovery
Licensing Revenue is split:
 - 45% to inventor(s)
 - 50% to UND to support **MORE** research
 - 5% to Department or Unit that supported the research
- Percent to inventors > NDUS policy

OK, how about an example?

Paint Can Sealer

This patent-pending technology
is available through

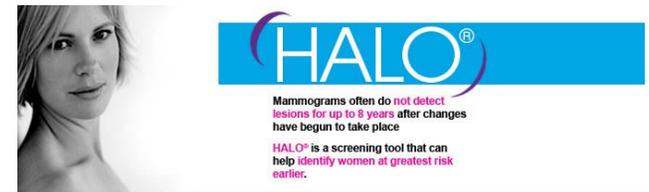
 UNIVERSITY OF
NORTH DAKOTA
IP Commercialization & Economic Development

Some Success Stories

- TruServe
 - Software for state rural health offices
 - Licensed *non-exclusively* to NOSORH
 - Maximum penetration model



- Breast Cancer Diagnostic
 - *Exclusive:* Halo Healthcare, Inc.
 - Logical partner with complementary technology



Start up Companies

- Avianax, LLC
 - Developing unique goose antibody platform
- Chemera, LLC
 - Developing unique biofuel/biochemical platform
- Early stage start ups
 - CACYHS – potential CO₂ capture technology
 - UAS – sense and avoid technology



Joint IP Efforts UND/NDSU



- Krisara, LLC
 - Start up company in medical device area
 - Formation stage
- UAS technology
 - Emanating from UAS research groups
 - Communications technologies
 - LDCAP (Sense & Avoid project)
- EPSCoR program
- Sunrise Center of Excellence



UND Entrepreneurial Assets

- Center for Innovation
 - Nationally recognized for entrepreneurship, business incubation, start-ups
- Tech Accelerator Facility (formerly 'REAC')
 - High-tech bio and engineering facility for growing companies
- Strong relationship with Grand Forks EDC
- North Dakota's Research ND program
 - COE program as well



Thank you!



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“The Citizens of Grand Forks and the State of North Dakota look to UND to provide talented graduates, useful research discovery and Intellectual Property. These keep our state in a strong position and provide the impetus for economic growth.”

Ray Holmberg
Senator, District 17
ND Legislative
Assembly