Today’s Goals

1. Who are we & what do we do at Northwestern?
2. What does the invention disclosure process look like?
3. What should research administrators know about INVO?
4. How can you learn more about what we do at INVO?
INVO | Our Mission

To catalyze the translation of Northwestern innovations to benefit the public

- Become a source of impactful innovations and products that improve lives
- Become a magnet for entrepreneurial talent
INVO Staff

INVENTION MANAGEMENT TEAM

Alicia Löfler, PhD
Executive Director

Andrea Minogue, MPA
Finance & Administration

Michael Moore, PhD
Life Sciences

Arjan Quist, PhD
Physical Sciences, Engineering

Nicole Janovick, JD, PhD
Life Sciences, Copyright

Sarah Kamper, PhD
Chemistry, Materials Science

Dimitra Georganopoulou, PhD
Life Sciences, Medical Devices

Gwendolyn Humphreys, PhD
Life Sciences, Research Tools

Anne-Isabelle Henry, PhD
Chemistry, Materials Science

Wenting Luo, PhD
Life Sciences

Isabella Ortiz, JD
Engineering, Computer Science

Iwona Maciagiewicz, PhD
Life Sciences

NEW VENTURES TEAM

John Haugen, JD
Assoc. General Counsel

Lisa Dhar, PhD
New Business Ventures for Engineering

Sonia Kim, PhD
Marketing & Educational Programs
INVO | Our Activities

**Technology Transfer**
- IP Support (*Consultation, Filing, Office Actions, etc.*)
- Technology Evaluations
- Marketing Efforts

**Innovation & Entrepreneurship Programming**
- Workshops
- Seminars
- Mentoring
- Internships
- Coordination with Classes, etc.

**Space**
- The Garage
- Faculty Hub
- University Memberships (*mHub, 1871 & MATTER*)

**Funds**
- N.XT Fund ($10M)
- NuSeeds Fund ($4M)
Technology Transfer

Technology transfer activities focus on moving technology from the University to the public domain

BAYH-DOLE ACT of 1980
Change in IP Ownership

BAYH-DOLE ACT

NEW PRODUCTS
INVO | FY18 Stats

210 INVENTIONS DISCLOSED
460 PATENT APPLICATIONS

171 AGREEMENTS EXECUTED
7.7 MILLION IN LICENSING REVENUES, DOLLARS

170 PATENTS ISSUED
9 STARTUPS
INVO | Areas of Innovation

- life sciences
- physical sciences
- therapeutics
- engineering
- nanotechnology
- biotechnology
- advanced materials
- medical devices
- chemistry
- electronics
- manufacturing
- research tools
- computer science

Northwestern
McCormick School of Engineering
Northwestern Medicine
Weinberg College of Arts & Sciences
Northwestern Medill
The Invention Disclosure

An **INVENTION DISCLOSURE** is Northwestern’s record of an invention, the inventors involved, sponsorships, & other public disclosures and publications.

Inventors should plan to submit their invention disclosure **3-4 weeks prior to a public disclosure**

- Posters/abstracts/proceedings
- Journal articles, book chapters
- Conference presentations
- Some departmental seminars & thesis defenses
- Some grant proposals

**DISCLOSING AN INVENTION TO INVO DOES NOT PROTECT AN INVENTION. A PATENT APPLICATION MUST BE SUBMITTED TO THE USPTO**
Reasons to Disclose to INVO

1. PROTECT COMMERCIAL POTENTIAL
   INVO can provide feedback on how to proceed in the commercialization process.

2. PROTECT INTELLECTUAL PROPERTY
   If IP protection is appropriate, INVO can maximize IP protection if invention is disclosed in advance of public disclosure.

3. FULFILL NU’S RESPONSIBILITY TO REPORT TO RESEARCH SPONSORS
   INVO must report all inventions to respective public and private research sponsors.

4. IMPROVE MARKETING WITH INDUSTRY PARTNERS
   INVO can help provide industry with insight into available technologies and the research that is taking place at the university.
Important Take-Homes

Complete the disclosure as thoroughly as possible.

Be available to meet with IM to discuss your technology.

Respond to IM as quickly as possible as they may have time-sensitive questions.

Send relevant updates to IM, such as future public disclosures or technology development.
1. **Explore Additional Sponsored Research Opportunities**
   INVO coordinates with other offices to review IP stipulations. Ideally, several weeks are needed to review these agreements.

2. **License Technology to Existing Company**
   INVO helps identify and negotiate license agreements. If there’s interest, IMs contact faculty to discuss.

3. **Create University Startup**
   INVO has Startup Guide online.
Northwestern Licensees (Past & Present)
Our Startup Playground

Diagnostic Fingerprinting  Big Data  Gas Storage  Software Encryption
Nanomaterials  Tangible Haptics  Machine Learning  Electricity Storage
Personalized Medicine  Robotics  3D Imaging  Software Optimization
Geolocation  High Performance Alloys  Medical Devices  Microfluidics
Artificial Intelligence  Point of Care Diagnostics  Thin Film Transistors
Nanoparticles  Advanced Materials  Wearables  Surgical Devices
Therapeutics  Biomedical 3D Printing  3D Vision  Sound Engineering
Biotechnology  Nanofabrication  Cancer Diagnostics  Plastic Recycling
Northwestern Startups
Recent Issues for Discussion

Pre-Award
- Commercialization Plan or IP Provisions – Reach out to INVO/Invention Manager early

Disclosures – Key items
- Employee ID to identify personnel @ NU – our system is linked to myHR
- Funding accuracy
  - Corrections result in costly fees to NU – each one can be hundreds of $
  - When possible, include grant Project Award Summary as an attachment to disclosure

Agency Requests
- If you are ever asked from an agency about reporting, please reach out to INVO early
- iEdison Reporting – INVO takes care of this; Please reach out to INVO/Invention Manager if asked by agency
- Foundation/Private funding compliance – INVO takes care of this; Please reach out to INVO if asked by agency
Ways to Learn More about INVO

WEBSITE: Visit www.invo.northwestern.edu. For global I&E, visit https://www.northwestern.edu/innovation/index.html

INVO NEWSLETTER: Sign up on our home page

SOCIAL MEDIA: Follow us on Twitter (@INVOatNU)

STUDENT OPPORTUNITIES: INVO Practicum Interns and N.XT Associates
THANK YOU

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