

NUCATS & INVO Translational Research Office Hours

SPONSORED BY:

The Center for Translational Innovation (CTI)

--- PART OF ---

*Northwestern University Clinical and Translational Sciences Institute (NUCATS), and the
Innovation + New Ventures Office (INVO)*

February 26, 2025

PRESENTER:

Lindsay Stolzenburg – Senior Invention Associate

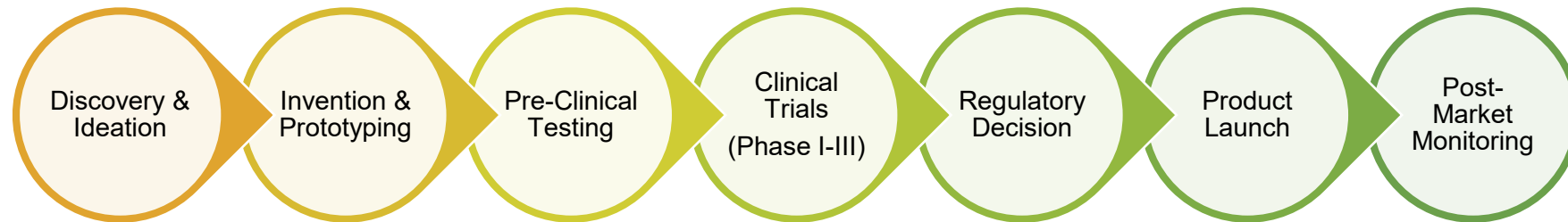
Please register [here](#):



NUCATS & INVO Translational Research Office Hours

(NITRO)

NUCATS and **INVO** are pleased to host monthly collaborative office hours, designed to support academic innovators across the Northwestern University campus.



Office hours are hosted the **last Wednesday of every month, between noon and 1 p.m.** Office hours are held in a hybrid format, with both an in-person location and a virtual Zoom room.

- The first 20 minutes will consist of educational content surrounding translational research and commercialization.
- Following the education session, standing topics will include current commercialization resources and programs at the university, as well as funding opportunities.
- The remaining time will be devoted to questions and discussion, include time for individual conversation.

NUCATS & INVO Translational Research Office Hours

2025 Schedule

[View the schedule and register here!](#)

Date & Time	Location & Link	Presentation Topic (first 20 minutes)
February 26, 2025 12 – 1 pm	McGaw 2-321 Zoom and Registration Here	<u>Protecting your intellectual property</u> Lindsay Stolzenburg, Senior Invention Associate, INVO
March 26, 2025 12 – 1 pm	SQBRC 2-200 Zoom and Registration Here	<u>Pre-consulting workshop and the Center for Clinical Research</u> Katie Hammond, Managing Director, CCR, NUCATS
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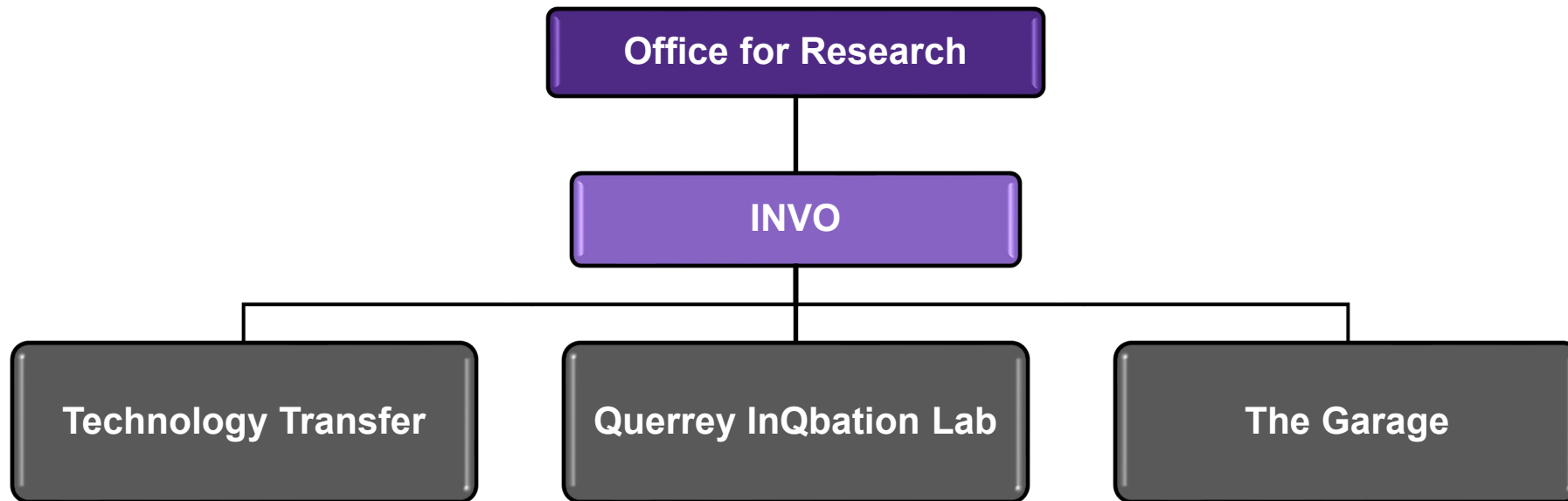
PROTECTING YOUR INTELLECTUAL PROPERTY

NU Innovation + New Ventures Office (INVO)



INVO's Mission

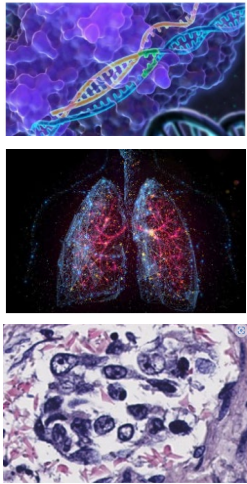
INVO catalyzes the translation of **Northwestern innovations** to benefit the public and promote economic growth.



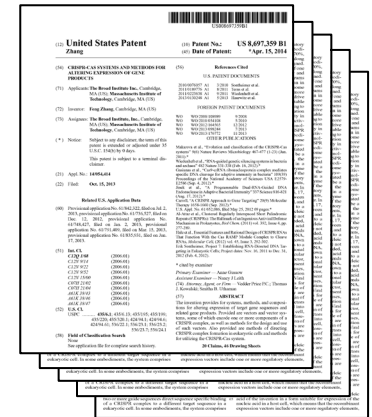
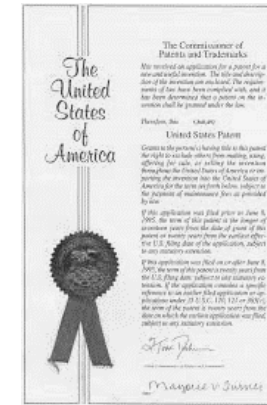
TECHNOLOGY TRANSFER

Protecting Intellectual Property

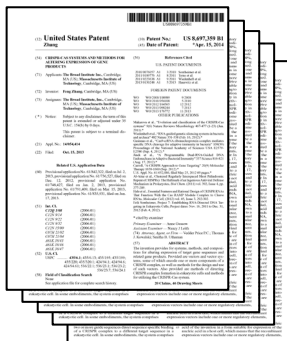
Discovery/Invention



Issued Patents



Licensing Intellectual Property



**Northwestern University
(Licensor)**

Permission to use technology
License Agreement



**Existing Company
OR
Startup**

Remuneration



SNAPSHOT

FY2024

250

Invention Disclosures

\$5.3M

Licensing Revenue

15

Startups Launched

Feinberg startups are some of Chicago's top fundraisers



\$85M Series B (2021)



\$33M Series B (2022)

COUR \$30M Series A/B (2022)



acquired \$140M (2022)

Emerging startup stars

AbbVie Innovation Midwest
Winners (2022)

SNC Therapeutics



Science2Startup Winners

2018

2019

2020-2022

2023



PATENT BASICS



Give the owner an exclusive right to exclude others from practicing the claimed technology

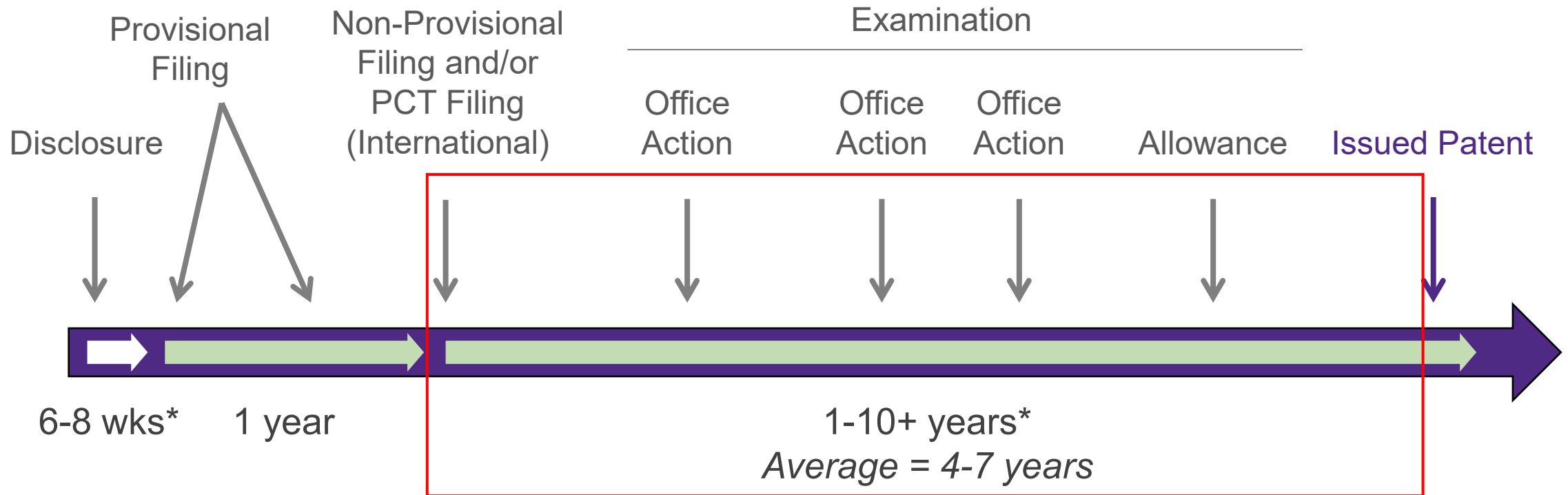
When granted, provides a legal right to stop others from making, using, offering for sale, and importing the claimed invention

Only when granted, only for subject matter in patent claims



Provide incentives for companies to invest in innovation and provide public benefits

SAMPLE PATENT TIMELINE



- Examination: reviews whether the claimed invention meets legal definitions
 - **New, useful, eligible, sufficiently described, and nonobvious**
 - Patent Office determines speed of review
- Maintaining faculty input is crucial here
- Abandonment is a possibility throughout the process
 - Cost: ~\$30k in US, >\$100k internationally
 - Patent life: 20 years

AFTER PATENT GRANT

Patent holder may detect company/competitor is using their patented technology

Patent holder tells competitor about patent, please license my technology or stop

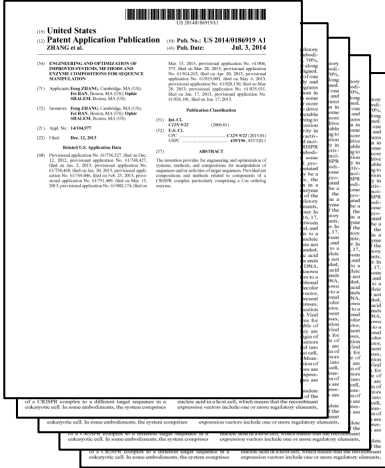
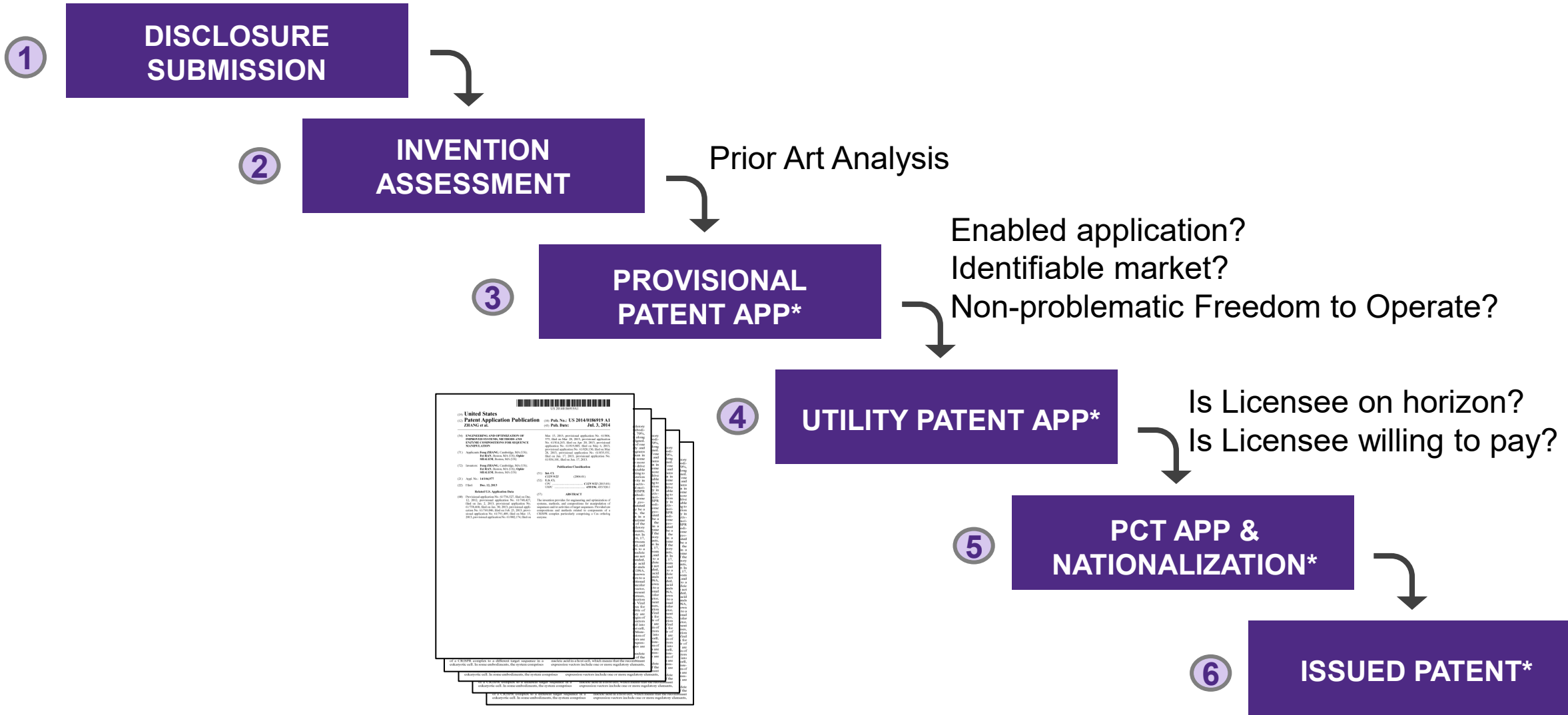


Competitor reaction:



- Okay, I'll license
- Okay, I'll stop
- No. Your patent doesn't cover what I do, or your patent should never have been granted
 - Patent office challenges
 - Patent litigation

THE INVO PROCESS



Patent Application

*if applicable

INVENTION EVALUATION FACTORS

1. PATENTABILITY

- **Is there enough description or data collected to file the application?**
- Is there a research plan that will provide more data related to the invention?
- What potential claims can be pursued?
- Are there **public disclosures** or prior art that describe inventions that may be similar?

What is a PUBLIC DISCLOSURE?

1. Printed publications AND oral presentations
 - Journal articles, book chapters, posters/abstracts, conference presentations, etc.
 - *Might be public disclosures:* Departmental seminars, thesis defenses, grant proposals
2. Inventions on sale, available to, OR used by public
 - Research materials and prototypes
 - If materials are provided only for testing and/or evaluation or for research purposes under written agreement, this may not be a disclosure

**SUBMIT YOUR
DISCLOSURE TO
INVO 3-4 WEEKS
PRIOR TO YOUR
PUBLIC
DISCLOSURE**

INVENTION EVALUATION FACTORS

2. FREEDOM TO OPERATE (FTO)

- Are there others with patents in the space that may block use of a patent?
- Are licensing options limited?

3. ENFORCEMENT

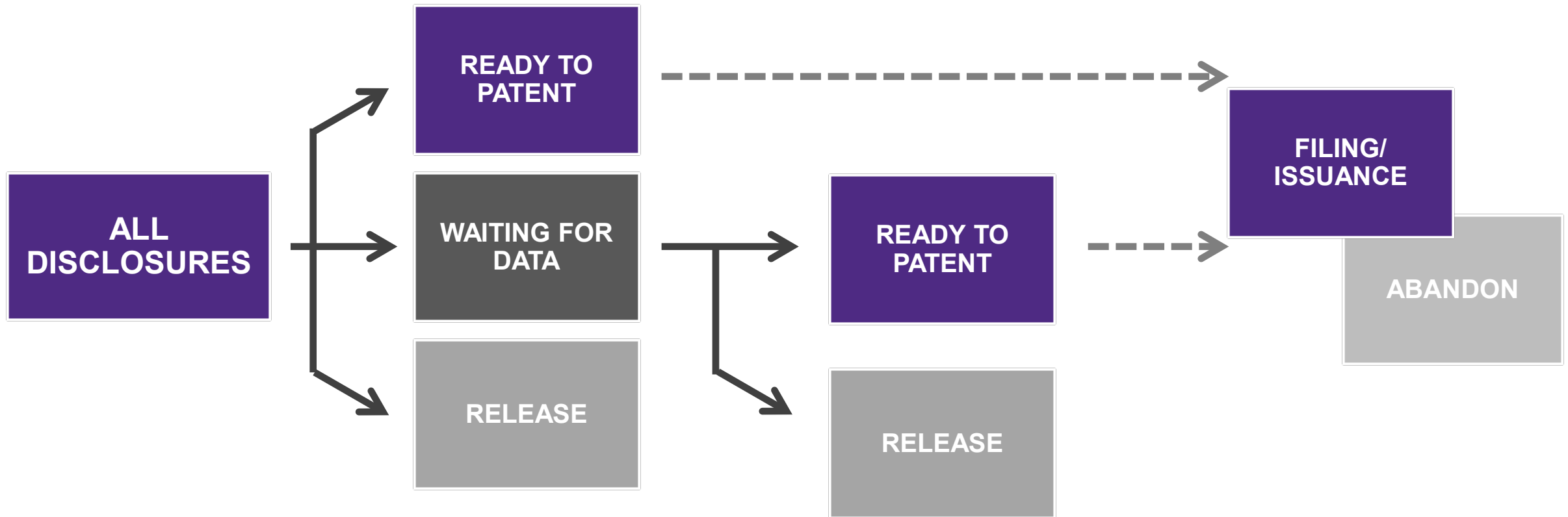
- Would a licensee ever be able to detect infringement?
- Would a company be able to avoid infringement?
 - Would a company be able to make and sell your invention somewhere outside of patent protection?

INVENTION EVALUATION FACTORS

4. COMMERCIAL POTENTIAL

- Is there a market for the technology today? What size? What market challenges?
- Do we expect that a market will exist in the future?
- Are there a lot of competitors? What are the benefits of this invention over others?
- What level of interest do those in industry or investors have?
- **Is there enough description and data to attract investment?**
- How close is the invention to a commercial product?
- How does a product fit with what is already available in the market?

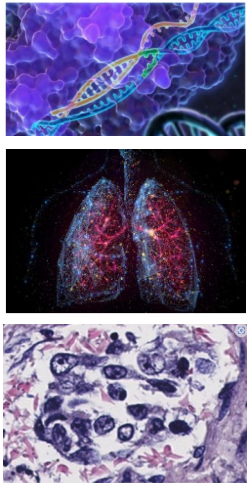
POTENTIAL DISCLOSURE DESTINATIONS



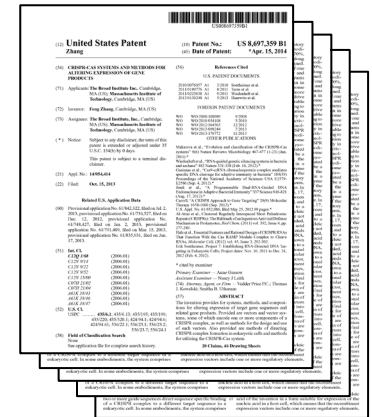
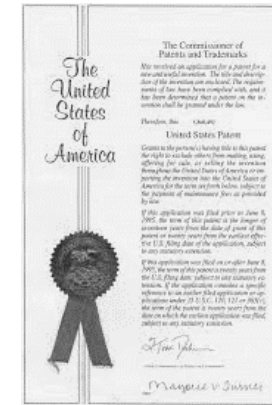
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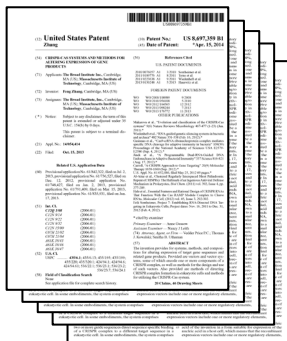
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Questions?



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NITRO and PARTNER RESOURCES

RESOURCES

INVO

- Intellectual property and licensing support
- Querrey InQbation Lab – startup space, commercialization education, and resources

NUCATS

- External FDA consulting service
- **Center for Clinical Research** – Clinical Research Unit for clinical trials with regulatory and finance support
- **Center for Education and Career Development** – professional development for clinical and translational researchers
- **Center for Community Health** – facilitates community and population health research

NU Translational Research Resources

- Biostatistics Collaboration Center – biostatistical support
- NU Core Facilities

FUNDING FOR TRANSLATIONAL RESEARCH

InQbation Lab

- N.XT Fund – up to \$150k in the form of convertible notes for NU startups – *applications closed*

NUCATS

- Translational Science Pilot Awards – up to \$50k for projects that advance translational research - *deadline March 15*
- Additional Pilot Funding

Ryan Family Acceleration Fund

- Up to \$300k to advance translational research discoveries in engineering and medicine – *deadline March 3*

Chicago Biomedical Consortium

- Accelerator Award – up to \$250k to move therapeutic discoveries toward the market – *rolling deadline*
- CBC-HITES - \$75k and \$250k awards for commercial translation – *applications closed*

Ask us anything!

Or follow up for a 1:1 meeting to discuss your translational research:

INVO: Lindsay Stolzenburg, lindsay.stolzenburg@northwestern.edu

NUCATS: Katie Hammond, katherine.hammond@northwestern.edu

Please fill out our
feedback survey [here](#):

