



# Northern Illinois University

## NIU Intellectual Property Procedures and Portfolio

Karinne Bredberg  
Asst. Director for Commercialization and Innovation  
BOT RILLA report – November 15, 2018

# Office of Innovation (OI)



- Receive ~10 disclosures per year
  - Two rubrics used in evaluation for patenting
    - Research relevance and inventor engagement
    - Market analysis
      - Use third-party market assessment reports

# Disclosure Advancement Criteria



- Generally, the OI advances a disclosure for patenting if:
  1. The proof-of-concept data is sufficient for patent attorney to draft claims to capture the essence of the invention
  2. The invention has not been publicly revealed (or has been revealed within the last 12 months in the US)
  3. The invention is within the scope of the inventor's university responsibility and advances NIU's research mission

# Total Disclosures FY08-FY18



Disclosures Received → 96

Invention Disclosures by College and Department					
Business (1)	Education (1)	Engineering & Eng. Tech. (31)	Health & Human Sci. (2)	Liberal Arts & Sciences (51)	Other (10)
MGMT 1	SEED 1	ELE 16	AHCD 1	BIOS 4	Students 10
		MECH 12	Health Sci. 1	CHEM 33	
		TECH 3		COMS 1	
				CSCI 2	
				MATH 3	
				PHYS 6	
				PSYC 1	
				STAT 1	

# Disclosures Advanced for Patenting FY08-FY18



Disclosures Advanced for Patenting → 44

Decision to move forward for patent protection by College and Department

Education (1)	Engineering & Eng. Tech. (9)	Liberal Arts & Sciences (31)	Other (3)
SEED 1	ELE 7	BIOS 1	Students 3
	MECH 2	CHEM 23	
		CSCI 2	
		MATH 1	
		PHYS 4	

# Patents issued FY08-FY18



Patents issued → 45

Patents by College and Department (\*additional patent applications are still pending issuance)

Engineering & Eng. Tech. (13)		Liberal Arts & Sciences (29)		Other (3)	
ELE	12	BIOS	2	Students	3
MECH	1	CHEM	17		
		CSCI	3		
		MATH	2		
		PHYS	5		

# Licenses



- For NIU, protecting IP is an avenue to protect faculty research and advancement of knowledge for public good. Licensing revenue streams are an incentive for the inventor(s) should a licensee and revenue stream be secured.
- NIU currently has two active licenses and one pending. All three are to startups (two NIU and one in Texas).
  - AUTM, 2017 - 70% of licenses are to startups and small companies

# Success story



- NIU and Invictus Medical, Inc.
  - Invictus licensed patents related to Wireless Communication Integrated Active Noise Reduction System
    - Reduces harmful noises in NICU incubator
    - Allows two-way communication between infant and caregiver
  - 2015 NSF Phase I STTR
  - Recently raised \$1.26M
    - IM is currently optimizing system for use in hospitals



Improving the lives of newborns





# Questions



QUESTIONS?