

Penn State Startup Pipeline

(January 2025)

1 Review

2 Assessment

3 Co Formation

4 Execution

5 Commercialization

Diabetic Retinopathy Diagnostic (COM)

2D FilmTech emerging material service

MicroFlap surgery healing Assessment (COM)

PGele Neural probes

TalkingSick Illness prescreen app

Green Data Center

FactCheck Medical journal reviews

Brain Mapping (COM)

SmartDampener Motion tracking sports

Alux Technologies Insect detection

Syphilis POC Detection

NPep Therapeutics ultrasound controlled drug release

Ophthalmize tear-duct implant for anti-inflammatory drug (COE/COM)

BioFoam wound care

Intel-E Waste electronics recycling

NeuroXR AR Headset

SAFE-T telehealth sexual assault consult

Chondrela Osteoarthritis Treatment (COM)

Cancer Recovery Drink

Dimenti Analytics Dementia screening

Axi-Flex Bone fracture stabilizer (COE/COM)

CropSmart greenhouse monitoring

Plant Village+ carbon credits

Medulate Needle insertion simulator

Penn Poa turf grass

Hydrogenation Low-cost H production

Fourth State Therapeutics cold plasma technology

GaNify

MicroVersal Transplant Technology

Chromatir color shifting coating

Illuminate Therapeutics light-controlled drug release

Solaxa nerve damage Rx

Respana Flu drug (COM)

ReeTerra rare earth extraction

Lightscline Sensor data analytics optimization

NeuExcell neuro drug

inTRAvent neuro catheter Placement (COM)

5Metis (Boragen) Crop antifungal

Tandem Repeat biotech material

Atlas Biotech Cancer diagnostic tool

ElkosRx diabetic ulcer drug (COM)

Cranial Devices hydrocephalus shunt (COM)

TerraSafe Materials Biodegradable materials

Archty antiviral therapeutic

spotLESS Mat'l surface coating

Phospholutions P soil runoff control

ConidioTec bed-bug control

Impulse Technology prosthetics

Croptix plant Dx

TEAMology K-12 ed. program

X-Hab 3D 3D printed concrete

Aleo BME tissue glue

Mag Instruments laser spectrometer

Provisional

IP / BMC

License

Launch

Holding (lost momentum) \$/Exit

- Industry Domains**
- Med Science
 - Food & Ag Science
 - IT & EdTech
 - Engg & Mat'l
 - Energy & Envir.

Est. Time to Revenue (years)	0	0-3	4-6	7+
Business Executive	Have it	Need it		

- 1.) Invention Review
- 2.) Commercial Assessment
- 3.) Company Formation
- 4.) Business Execution
- 5.) Commercialization

- ThoraciCair** – respiratory assist
- Neural Block Device** – Surgery pain
- HydroSapient** – hydraulics model for soil moisture
- Virolock** – virus enrichment & detection
- L4IS** – laser imaging
- Immunagreen** – ag biopesticide
- NeuroXR** – AI Alzheimer's diagnostic
- Spycage** – Intranasal vaccine platform
- IOThera** – Melanoma Immunotherapy
- GLIMER** – Electrocaloric refrigeration

