

Penn State Startup Pipeline

(November 2024)

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)

CropSmart greenhouse monitoring

Data Center Cooling

NeuroXR AR Headset

Brain Mapping (COM)

Cancer Recovery Drink

Syphilis POC Detection

NPep Therapeutics ultrasound controlled drug release

Intel-E Waste electronics recycling

BioFoam wound care

SAFE-T telehealth sexual assault consult

Fourth State Therapeutics cold plasma technology

Chondrela Osteoarthritis Treatment (COM)

Dimenti Analytics Dementia screening

Axi-Flex Bone fracture stabilizer (COE/COM)

Atlas Biotech Cancer diagnostic tool

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

Medulate Needle insertion simulator

Penn Poa turf grass

Hydrogenation Low-cost H production

Plant Village+ carbon credits

Chromatir color shifting coating

GaNify

MicroVersal Transplant Technology

Lightscline Sensor data analytics optimization

Solaxa nerve damage Rx

Respana Flu drug (COM)

ReeTerra rare earth extraction

Illuminate Therapeutics light-controlled drug release

TerraSafe Materials Biodegradable materials

NeuExcell neuro drug

ElkosRx diabetic ulcer drug (COM)

Cranial Devices hydrocephalus shunt (COM)

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

