PURDUE STARTUP
CLASS OF 2014

Entrepreneurs Changing Our World
Class of 2014 Purdue Startups

Purdue University had record-breaking numbers in commercialization activities highlighted by 24 startups based on Purdue intellectual property, tripling the previous year’s number. These and other existing Purdue startups drew more than $20 million in publicly announced funding last year.

The growth trend for the 2014 fiscal year is reflected in other substantive increases in commercialization activities through the Purdue Office of Technology Commercialization including 146 U.S. and global issued patents, representing a more than 30 percent increase over the previous year, and 120 licensing deals of Purdue intellectual property with startups and established companies, for an increase of more than 20 percent over the prior year. About two-thirds of the technologies resulting in this year’s startups were born of Purdue’s Discovery Park programs, which this year surpassed more than $1 billion in funding invested in research and facilities.

“As Indiana’s land-grant university, one of Purdue’s most important missions is to move its innovations to the public where they can improve lives, drive Indiana’s economy and create jobs for Hoosiers,” said Purdue University President Mitch Daniels. “Purdue faculty, staff and students are some of the most creative and hardworking individuals in the world. Over the past 18 months we made several policy changes to create a climate of entrepreneurship and deliberate innovation.”

This was most recently acknowledged by the awarding of the 2014 Incubator Network of the Year, the highest distinction bestowed by the National Business Incubation Association, to Purdue.

“It’s been a great year for commercialization and Purdue innovation, and we expect 2015 to replicate or surpass last year’s growth,” said Dan Hasler, president and chief entrepreneurial officer of the Purdue Research Foundation. “These enterprises can only be successful through the continued involvement of the Purdue innovators and leaders, our alumni, the surrounding community, and state.”

For more information about available leadership positions, investing in a Purdue startup or licensing a Purdue innovation, visit PurdueFoundry.com.
Purdue IP-Licensed Startups

» Animated Dynamics Inc.
» Aten Biotherapeutics LLC
» Battleground Technologies LLC
» Bearing Analytics Inc.
» Biokorf LLC
» BlueVine Graphene Industries Inc.
» CPrecisely Inc.
» Drug Free Therapeutix LLC
» Energy Driven Technologies LLC
» FORSUGO Hi-Cell Inc.
» Frontier Additive Manufacturing LLC
» KinaSense LLC

» Mobile Enerlytics
» Nano-Meta Technologies Inc.
» NEMOco LLC
» Neuro Vigor LLC
» Sagamore-Adams Laboratories LLC
» SensorHound
» SPEAK MODalities LLC
» SpeechVive Inc.
» Spero Energy Inc.
» Symic Biomedical Inc.
» Vibronix Inc.
» Zero UI

Purdue Non-Licensed IP Startups

» AccuPS
» Admissions Consulting Service LLC
» Atlas Energy Systems LLC
» Awa LLC
» Cheetah LLC
» Coffee Coals
» Cytomics Analytical
» DSTest Laboratories LLC
» Enhance Therapies
» Frosty Co
» FundSponge
» Geniphys

» G-Rate
» Hazon Learning
» Miftek Corporation
» Mimir LLC
» NCCT
» Next Generation Health and Safety Solutions LLC
» Qura
» Sonic Apricity
» Toucan
» Vendo
» Work, Life, Help LLC
» Ziph Labs
Animated Dynamics co-founders John Turek and David Nolte are commercializing an innovation which could help pharmaceutical companies and oncologists study the effectiveness of anti-cancer drugs and help decide therapy choices for cancer patients.

Seeking funding and partnerships to further commercialize their innovation.

www.anidyn.com
David Thompson and his colleagues are commercializing an innovation that could make MR imaging more powerful and less harmful to patients through their company Aten Biotherapeutics. The company’s controlled-release imaging agent provides greater MRI detail with less toxicity.

Working to partner with medical companies and investors.

www.atenbt.com
Bearing Analytics co-founders Lokesh Gupta and Anurag Garg could help key industries save billions of dollars annually in costly repairs and lost productivity for industrial machinery through a novel monitoring and failure predicting technology.

Currently seeking investors and industrial partners to expand its production capabilities.

One of 10 startups named to the FOUNDER.org Class of 2015, a global student entrepreneur investor and company building program.

www.bearing-analytics.com
Biokorf co-founders Andrew Otte and Rodolfo Pinal could help compounding pharmacists save time while greatly increasing their precision when filling prescriptions. The technology, called 3D Integrated Pharmaceuticals, creates prefabricated components that a pharmacist can assemble into patient-specific doses.

Currently developing their prototypes and products through feedback from Indiana pharmacists.

www.biokorf.com
BlueVine Graphene Industries founder Tim Fisher and his colleagues are addressing the challenge of scaling graphene production for commercial applications. The company’s roll-to-roll systems could increase graphene output by a thousand-fold over conventional processes.

Working with potential customers to develop biosensor and supercapacitor products.

www.bluevinegraphene.com
CPrecisely co-founders Daniel Aliaga, Christopher May and Ignacio Garcia Dorado are commercializing a technology that allows people to read with increased visual sharpness on tablets, smartphones and laptops without wearing corrective eyewear.

Seeking partnerships with software firms to incorporate technology in products.

www.cprecisely.com
Drug Free Therapeutix founder Matthew Ward is commercializing a platform that could improve neural stimulation therapy for many health issues including Alzheimer’s, epilepsy, migraines, pain management, Parkinson’s and nerve regeneration.

Working to partner with biomedical companies and investors.

www.drugfreetherapeutix.com
Energy Driven Technologies founder Jean Paul Allain is commercializing an innovation that could lower the manufacturing costs of high-tech devices in the biomedical, energy and other sectors through a novel material fabrication process that does not use chemicals or high-temperature processes.

Exploring partnerships with high-tech device manufacturers and investors.

www.otc-prf.org/energy-driven-technologies
FORSUGO Hi-Cell Vice President Lisa Jeff and founder Ron Jones are commercializing a Purdue innovation that could help prevent terrorist attacks containing radiological “dirty bombs” and nuclear weapons by tracking potential attacks through smartphones.

Seeking investors and collaborators.

www.forhicell.com
Frontier Additive Manufacturing co-founder Gary Cheng and his colleagues are commercializing an innovation with cutting-edge additive manufacturing capabilities to produce stronger, lighter metalworks for the automotive and aerospace industries through the use of specially designed high-tech 3D printers.

Looking for collaborations with manufacturers and investors.

www.frontieradditivemanufacturing.com
KinaSense co-founder Steve Ouellette is commercializing a Purdue innovation that could help oncologists and cancer patients make real-time decisions about the best treatment options. The technology helps by monitoring cancer drug dosages for different cancer types.

Seeking partners and investors.

www.otc-prf.org/kinasense
Mobile Enerytics founder Y. Charlie Hu is commercializing a Purdue innovation that could reduce the energy drain on smartphone batteries caused by mobile applications. The company is commercializing other software that helps developers analyze code for energy usage before an app is on the market.

Seeking partnerships and investors in the software development sector.

www.mobileenerlytics.com
Nano-Meta Technologies co-founders Alexandra Boltasseva and Vladimir Shalaev are commercializing the next generation of optical technologies. This Purdue innovation has strong applications in the fields of data storage, energy conversion and medical therapeutics.

Partnering with firms across multiple industries to create new or greatly enhanced products.

www.nanometatech.com
NEMOco founder Gerhard Klimeck is commercializing a Purdue innovation that already is helping transistor manufacturers overcome research and development challenges by providing strong modeling and simulation designed for the nanometer level.

Reaching out to software vendors and electronics manufacturing companies.

www.otc-prf.org/nemoco
Neuro Vigor co-founder Riyi Shi is commercializing an innovation to improve the lives of people with diseases such as multiple sclerosis and Parkinson’s by targeting neurotoxins that damage nerve cells and trigger pain.

Seeking investors and partners to further develop drug treatments for neurological diseases.

www.neurovig.com
Sagamore-Adams Laboratories co-founders Rusi Taleyarkhan, Richard Kiphart and Ron Ragains are commercializing two Purdue innovations. One could transform the paradigm on how radiation sensors work in general. The other could change how adhesive sealants are manufactured with customized solutions.

Seeking industry leaders in manufacturing of sensors and adhesive sealants.

www.salabsllc.com
SensorHound co-founders Matthew Tan Creti, Vinai Sundaram and Patrick Eugster are commercializing software to protect the “Internet of Things” that could reduce development and operational costs for large networked sensor systems such as smart grids.

Seeking partnerships with companies that work on the Internet of Things.

www.sensorhound.com
SPEAK MODalities co-founders Oliver Wendt, Diane Hancock and Mike Zentner are commercializing a software app that helps children with non-verbal autism develop communication skills and acquire more advanced language concepts.

Looking for collaborative educational partners and investors.

www.speakmod.com
SpeechVive co-founders Steve Mogensen and Jessica Huber are commercializing a Purdue innovation that helps people with Parkinson’s disease speak with greater clarity and communicate more effectively.

Dedicated to improving the quality of life for individuals with speech problems.

www.speechvive.com
Spero Energy founder Mahdi Abu-Omar and a team of researchers have patented a one-step catalytic process that produces high-value chemicals from wood byproducts for the flavor and fragrance industries. This high-potential product provides significant commercial and societal impact.

Seeking investors and chemical industry partnerships to expand production capabilities.

www.speroenergy.com
Symic Biomedical co-founders Alyssa Panitch, Kate Stewart and John Paderi are commercializing a Purdue biomedical innovation that could improve treatments for people with osteoarthritis, end-stage renal disease and for diabetic or other hard-to-heal skin wounds.

Seeking collaborations from medical development companies and investors.

www.symicbio.com
Vibronix co-founders Ji-Xin Cheng and Pu Wang are commercializing a Purdue innovation that could illuminate the specific location and severity of a patient’s heart disease to help guide early treatment therapeutics.

Seeking funding for continued validation work and a CEO to lead the company’s business side.

www.vibronixinc.com
ZeroUI co-founder Karthik Ramani and his colleagues are commercializing a Purdue innovation to develop a new class of hands-free, gesture-based 3D modeling software that aims to help design and make things on a 3D printer. The software is designed to help anyone create digital models such as a lava lamp, drum, table or a robot.

Seeking investors and business collaborators.

www.zeroui.com
For More Information

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Visit these Web sites for more information about the Purdue Research Foundation, the Office of Technology Commercialization, the Purdue Foundry and the Innovation and Entrepreneurship page:

» http://www.prf.org/
» http://www.otc-prf.org/
» http://www.purduefoundry.com/
» http://www.innovation-entrepreneurship-purdue.com/

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