

PURDUE

FOUNDRY

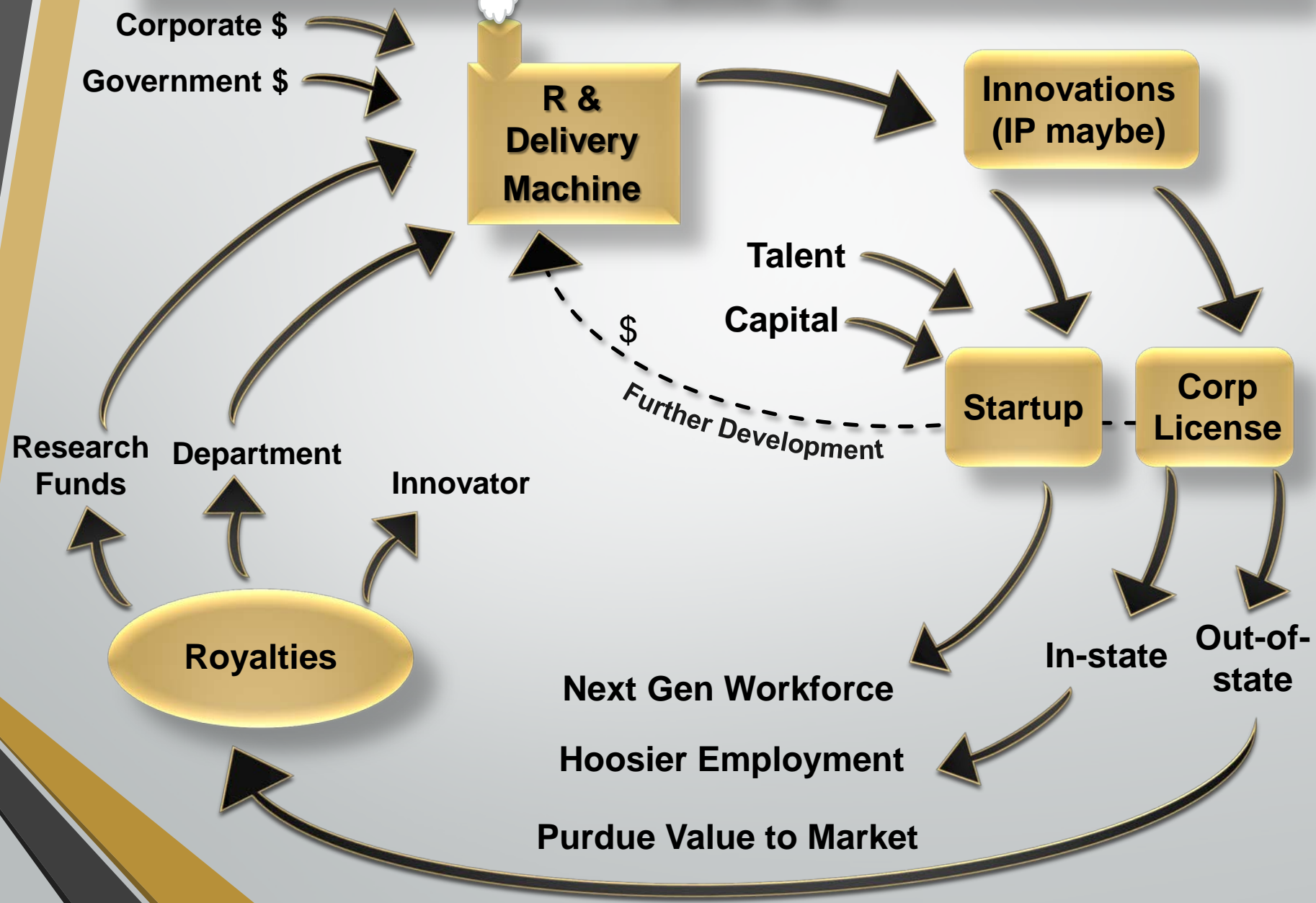
**Innovation
Ecosystem
Edition!**



PURDUE

FOUNDRY

The Virtuous Cycle ...Boiler Up



Discovery Park

- Bindley Bioscience Center
- Birck Nanotechnology Center
- Burton D. Morgan Center for Entrepreneurship
- Discovery Learning Research Center
- Global Sustainability at Purdue
 - Center for the Environment
 - Energy Center
 - Purdue Climate Change Research Center
 - Center for Global Food Security
 - Water Community
- ACCESS: Advanced Computational Center for Engineering and Sciences
 - Cyber Center
 - Rosen Center for Advanced Computing (ITaP)
- Oncological Sciences Center
- Regenstrief Center for Healthcare Engineering



Burton D. Morgan Center for Entrepreneurship



Bindley Bioscience Center



Hall for Discovery and Learning Research



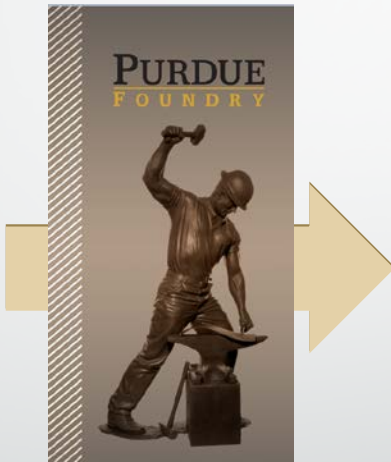
Birck Nanotechnology Center



Gerald D. and Edna E. Mann Hall

From the Laboratories to the Market

New Discoveries



Purdue Foundry

New Companies



Purdue Research Park



Purdue Research Park

- 3,557 employees
- \$63,000 average wages
- 165 firms
- \$1.3B annual impact on Indiana's economy
- 725 acres
- Large Scale Small Company Incubation

Large-scale Incubation



Awards

AURP
Outstanding Science /
Research Park

NBIA
Incubator Network
of the Year



Professional Services Solutions

- **Purdue Foundry**
- University Connections/Faculty Access
- Purdue Equipment & Facilities
- Technical Assistance Program
- Human Resources/Employment
- Job Placements/Job Fair
- Media Relations/Marketing
- Flexible Space and Leases
- Industry Cluster Management
- Networking Opportunities
- Conference and Gathering Areas
- Professional Conference Management
- Business Plan Competitions
- Entrepreneurship Training
- Pre-Seed Investments
- Reception and Admin Support
- Top Quality Business Equipment
- High-speed Internet & Wireless
- Fiber connection to Purdue University
- Two-Way Video
- Community Vendor Access
- SBDC/IEDC Services
- Governmental Relations
- Mail & Shipping
- Security
- Fortune 500 Atmosphere Assistance

***Helping the Purdue
Community move ideas
to the marketplace
through new ventures***

www.purduefoundry.com

PURDUE
FOUNDRY

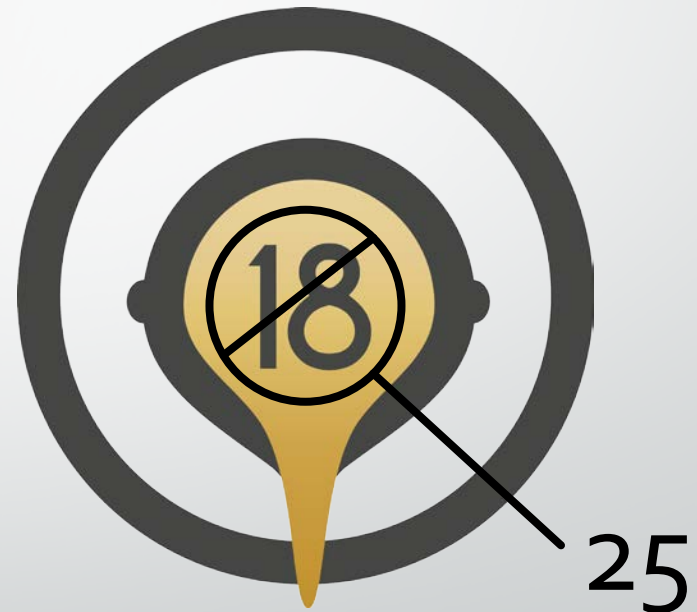


Purdue Foundry Goals & Metrics

Why?

- Move ideas and innovations to the marketplace
- Capitalize on Purdue's vast talent and innovation capabilities
- Produce happier, longer and healthier lives through innovation
- Produce high quality jobs for our community and state

FOUNDRY METRICS

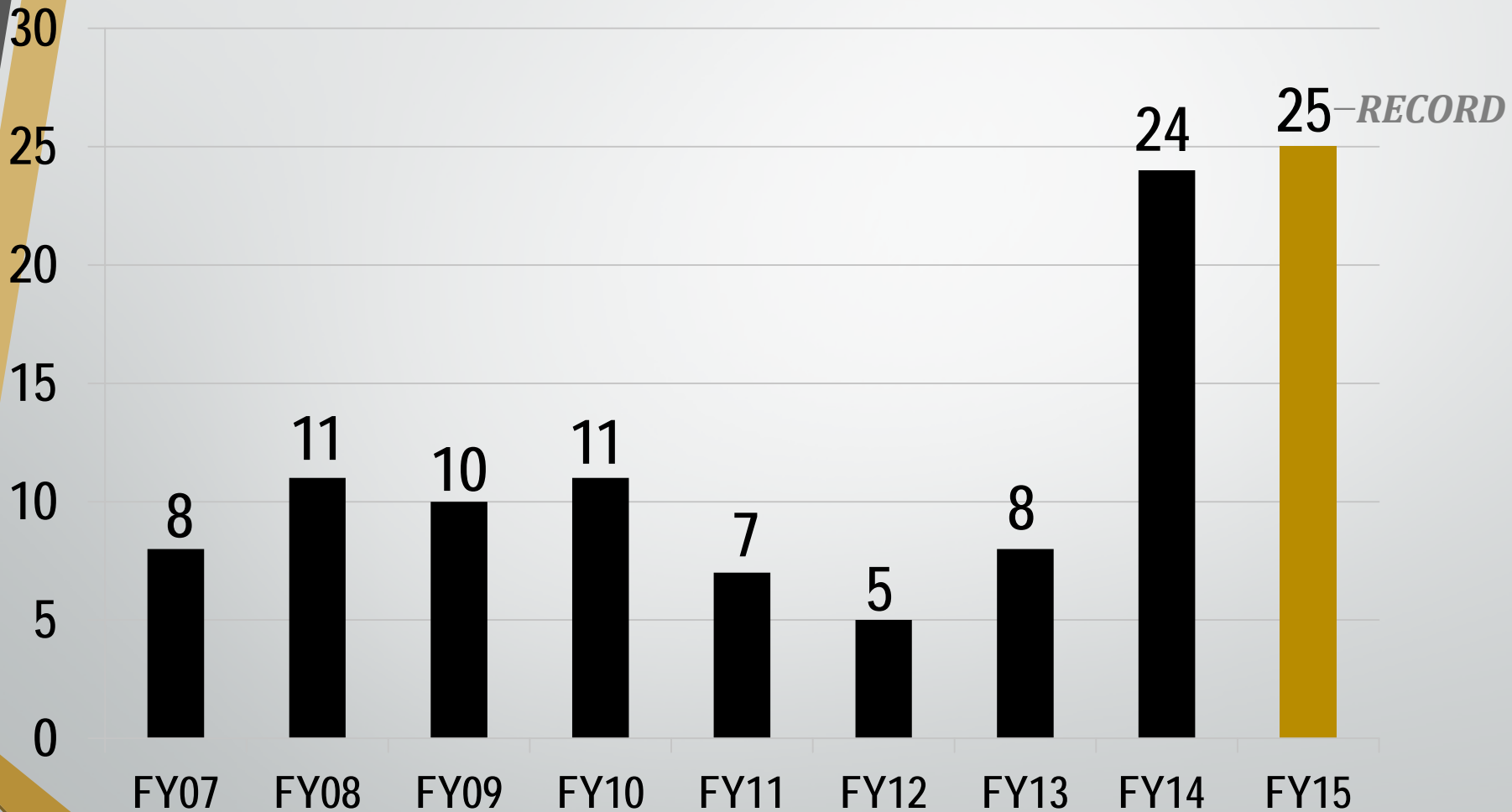


July 2014 & 2015
Purdue announces record-breaking
years in commercialization!

www.purduefoundry.com

PURDUE
FOUNDRY

RECORD # OF PURDUE-IP STARTUPS



Overall Foundry Activity = Five Firsts

TEAM

CUSTOMER

MARKET

PROTOTYPE

MONEY

Purdue Foundry Offerings

- Opportunity Assessment
- Business Model Development
- Alumni Network Expertise & Mentoring
- Market Assessment
- Funding Support
 - Angel & Venture
 - Grants
- Education & Training
- Website & Web Training Tools
- Legal Assistance
- Events

Burton D. Morgan Center for Entrepreneurship



Recent New Funding Sources

- \$12 Million Foundry Fund

Companies:

- 1) OnTarget
- 2) Spensa
- 3) Symbic Biomedical
- 4) FAST Biomedical



ON+TARGET
LABORATORIES
From Academia To Application



SPENSA
TECHNOLOGIES



FAST
BioMedical

- \$2 Million Elevate/Foundry Fund

- 8 companies/year

- SBIR Match

- Animated Dynamics
- Concordance Health Solutions
- High Performance Imaging
- SensorHound Innovations
- Spensa Technologies
- Spero Energy



ANIDYN
Life in Motion



CONCORDANCE
HEALTH SOLUTIONS



SensorHound
Tracking Software



Spero



PURDUE
FOUNDRY

Startups • Ideas • Entrepreneurship

Every Friday @ The Foundry

Burton D. Morgan Center for Entrepreneurship



1201 West State Street, West Lafayette

8:00 - 9:00 am

foundry@prf.org for more information

www.purduefoundry.com

www.purduefoundry.com

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FOUNDRY

• THE FOUNDRY PRESENTS •

EST



2014

The Spirited Entrepreneur

★ WEST LAFAYETTE, IN ★

www.purduefoundry.com

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women IN
entrepreneurship | innovation | collaboration



THE ANVIL



Anvilstartups.com

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The Anvil

A student run co-working studio for Purdue student entrepreneurs

The Anvil



Burton D. Morgan
Center for Entrepreneurship

Purdue Memorial Union

www.theanvil.us

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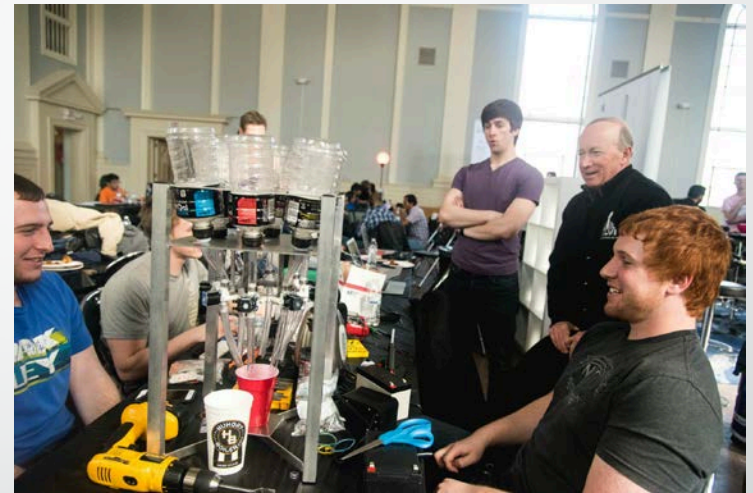
THE ANVIL

- Largest student-run coworking space in the country
- Hub of creative culture at Purdue
- Community for entrepreneurs

Anvilstartups.com



THE ANVIL



Forge Speakers Series
The Boiler Competition
Hack the Anvil
CoderDojo
BoilerMake

\$10,500
in total prizes!

SCHURZ INNOVATION CHALLENGE @PURDUE

**SIGN UP
TODAY!**
MENTORING
SESSIONS
AVAILABLE

foundry@prf.org
to join



SCHURZ COMMUNICATIONS INC.
**INNOVATION
PRIZE**

**PURDUE
FOUNDRY**

purduefoundry.com/blogs/schurz

Do you have an
innovative idea
& interest in creating a prototype?

Would you like to explore how
your idea may be of interest to
Schurz Communications?

All teams must include
at least one Purdue student.
(more eligibility information online)

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Connection to MatchBox





Artisan & Fabrication Lab growing into Makers Space



In One Year:

- 45% increase in users
- 130% increase in hours of usage
- 11 New Co projects
- Available to all Purdue Faculty, Students, and Staff

Deliberate Innovation Faculty Fellows

“Research and Company Hunters”

Identify

- Opportunity Technologies/ Areas

Determine

- Best Research Direction

De-risk

- Investor Ready

Define

- First Product/ Customer

Develop

- Value Proposition



Startup

“Shots on Goal” & “Feed Research Goose”



Alyssa Panitch
Leslie A. Geddes
Professor
Weldon School of
Biomedical
Engineering



Cliff Johnston
Professor of Soil
Chemistry
Crop, Soil &
Environmental
Sciences



Ernesto Marinero
Professor of
Engineering Practice
Materials Engineering



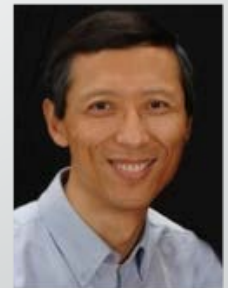
Lonnie Bentley



Eric Dietz
Professor,
Computer &
Information
Technology

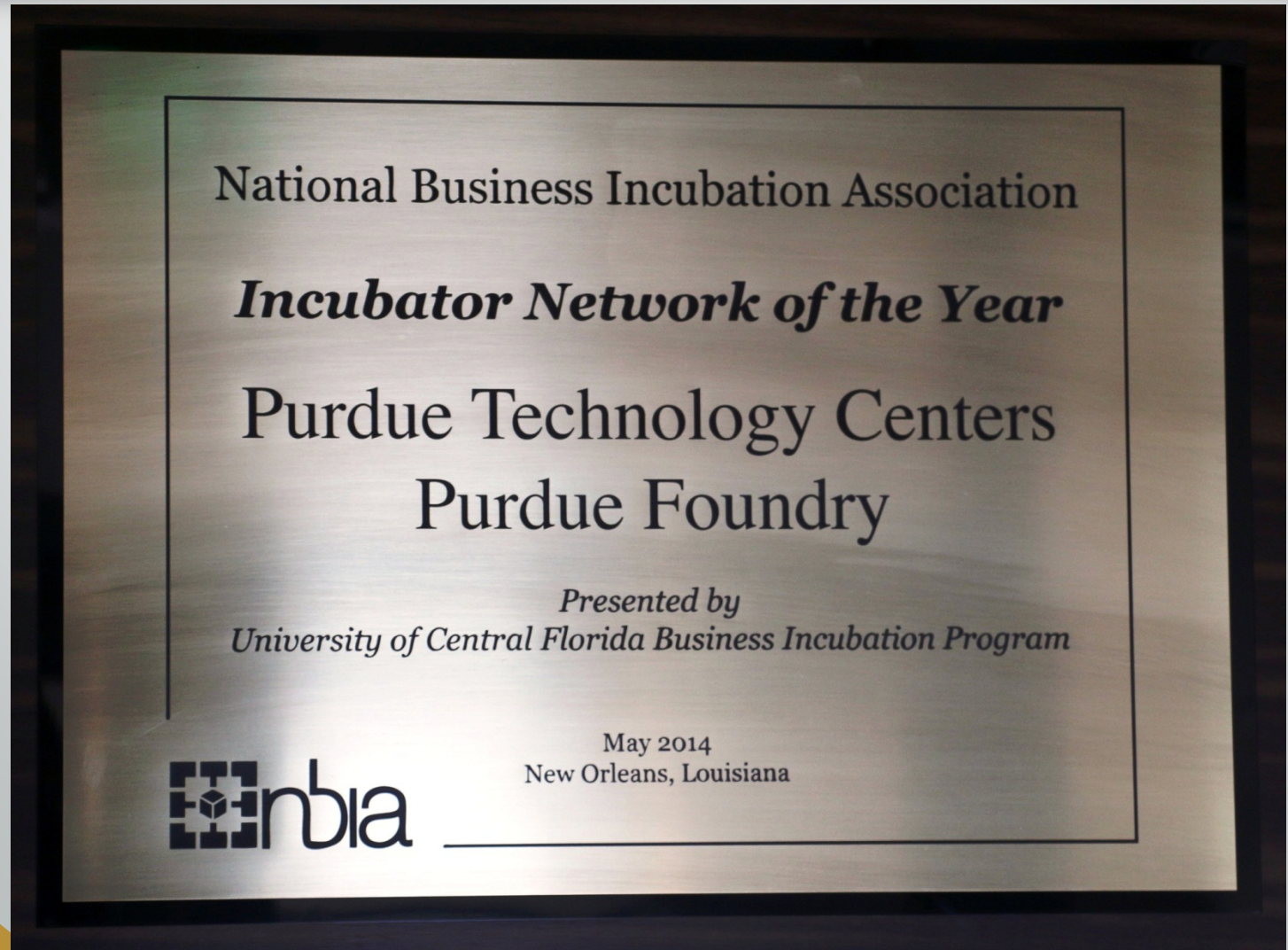


Matthew Lynall
Clinical Associate
Professor
Director of Experiential
Learning and
Management
Consulting

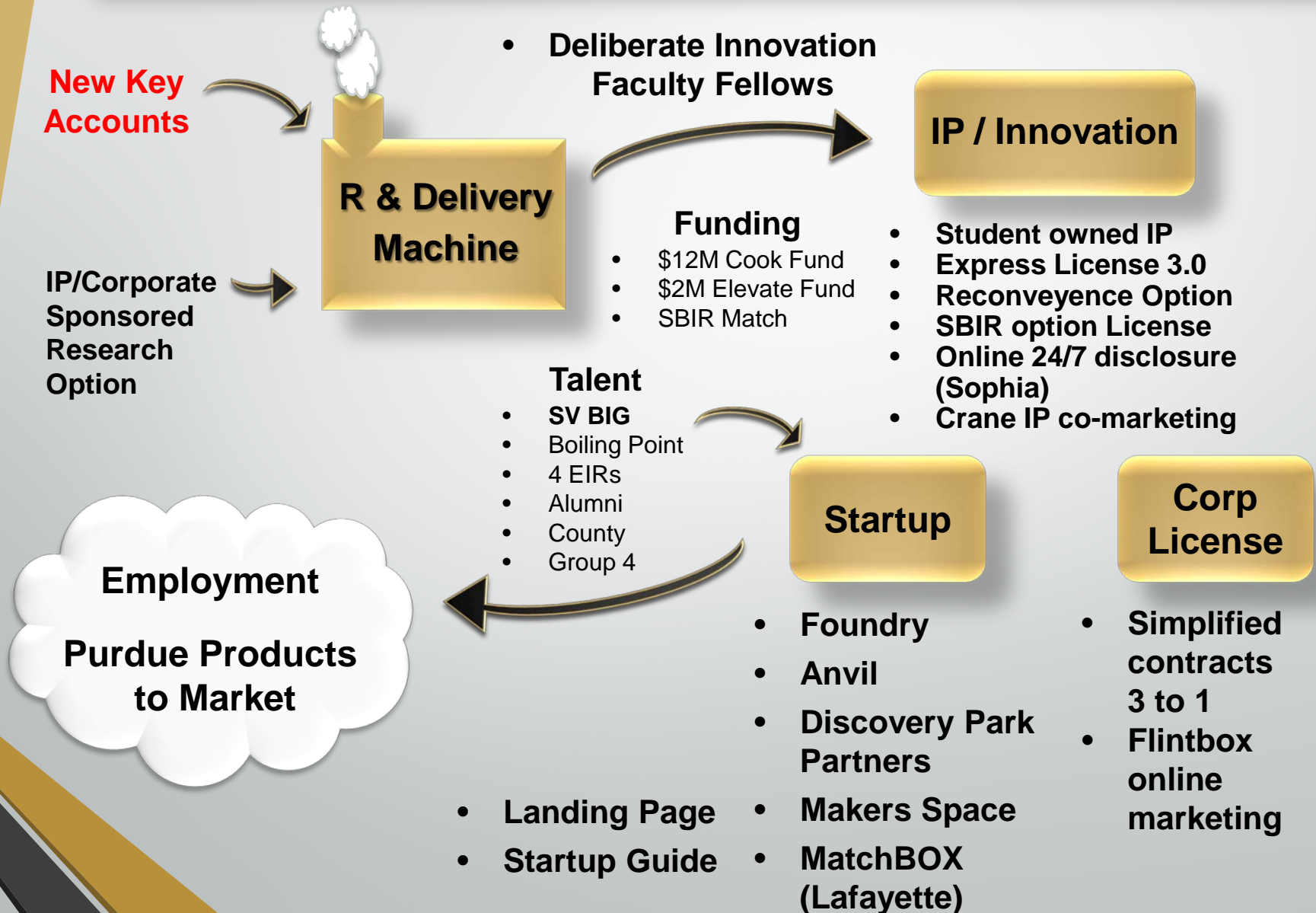


Riya Shi
Professor
Neurosciences,
Basic Medical Sciences

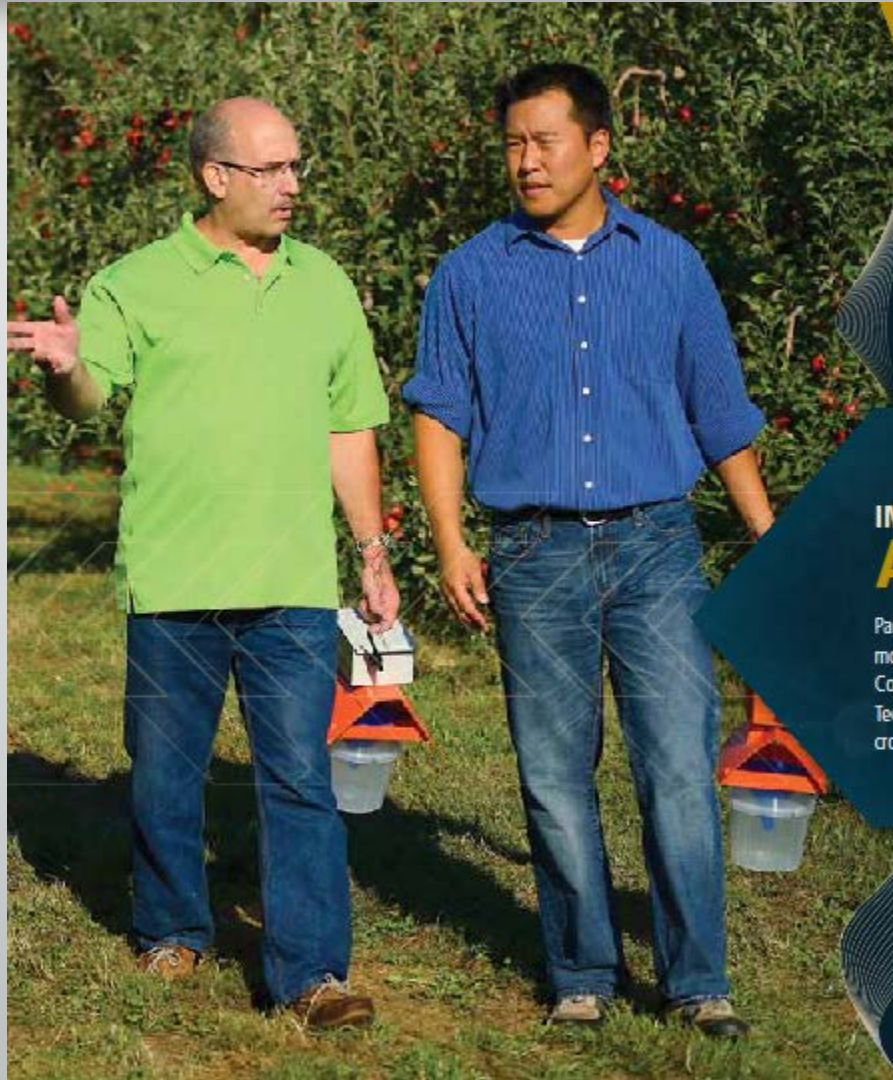
National Business Incubation Association 2014 Incubator Network of the Year Award



System Improvements / Experiments



Foundry Client Showcase



PURDUE INNOVATOR

JOHNNY PARK

*Research Assistant Professor in Electrical and Computer Engineering
College of Engineering*



IMPROVING INSECT CONTROL IN AGRICULTURE

Park developed the automated, electronic Z-Trap to monitor insect-pest populations in orchards and fields. Commercialized through Park's company, Spensa Technologies Inc., Z-Trap helps farmers maximize crop quality and minimize insecticide emissions.

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UNIVERSITY

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Foundry Client Showcase



PURDUE INNOVATOR

BRAD DUERSTOCK

*Associate Professor of Engineering Practice
College of Engineering*



INNOVATING ASSISTIVE TECHNOLOGIES

Duerstock is co-founder and director of Purdue's Institute for Accessible Science, which increases technological accessibility for persons with disabilities. He developed an accessible microscope and "RoboDesk," a wheelchair-attached desk for iPads, writing and other uses.

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Foundry Client Showcase

Vibronix

Medical Device
to detect harmful
plaque

Needs
Funding

The logo for Coffee Coals features the words "COFFEE" and "COALS" in a bold, black, sans-serif font. Between the two words is a stylized orange flame icon. Below the main text, "est 2013" is written in a smaller, orange font. The entire logo is framed by a thick, hand-drawn style orange border.

COFFEE  **COALS**
est 2013

Barbeque briquettes
from coffee grounds

Needs
Mentor
Funding

Foundry Client Showcase



Energy conversion technology
to make high efficiency and cost
effective power

Needs

Funding

Advisory Board Members
with scientific knowledge



Sensor based
vibration analysis

Needs

Funding

PURDUE

F O U N D R Y

Gregory W. Deason

Sr. Vice President — Purdue Research Foundation

Executive Director — Purdue Foundry & Purdue Research Park

Associate Director of Experiential Programs — Burton D. Morgan Center
for Entrepreneurship

Past President — Association of University Research Parks

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