National and Economic Security:



Providing a safe and secure livelihood for all



Advancing Life and Health Sciences

Providing
National Security
and Defense

Saving Energy and Protecting the Environment

Modernizing our Infrastructure Ensuring Economic Prosperity through Data Science and Al Feeding the World

Lilly and Purdue have a comprehensive partnership

\$52M to fund life science research over 5 years, \$50M renewal

- It is a programmatic focus:
 - Developing improved delivery of injectable medicines
 - Developing predictive models
 - Reduce risks associated with investing in drug development
 - Predict the outcome of new therapies in humans
- The renewed collaboration focuses on:
 - Expanded research in genetic medicine, intrathecal delivery, and nanoparticle drug delivery







"Lilly Scholars at Purdue" supports talent development

\$42M to fund Lilly Scholars

- Recruit the best, the brightest, and the most diverse students to Purdue University
- Build a pipeline of the most diverse pharmaceutical manufacturing talent to Eli Lilly
- Cohort #1 200 offers, 98 accepted —
 58% URM, 77% female, 45% first generation
- Cohort #2 550 applicants 70 offers

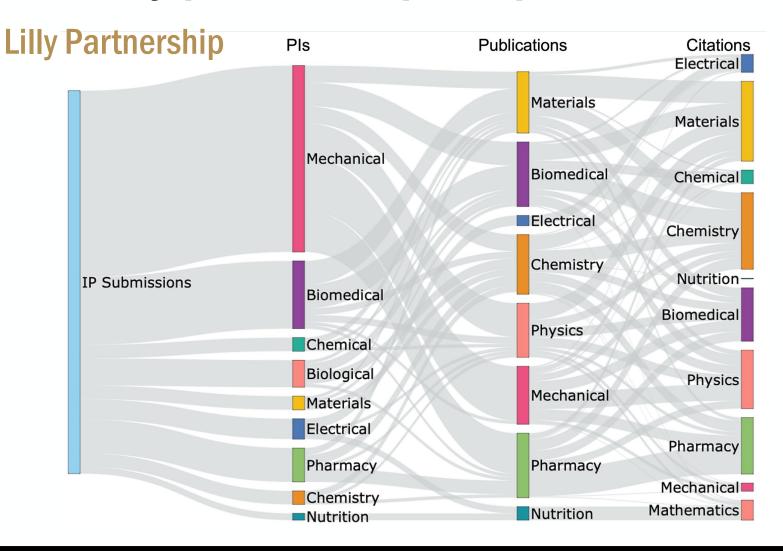


• Full tuition scholarship • Co-op or internship • Mentorship • Pharma training program





Industry partnerships impact scholarship and people



Scholarship:

- 150+ publications (IF > 6.7)
- 111 IP disclosures
- 9 patents filed

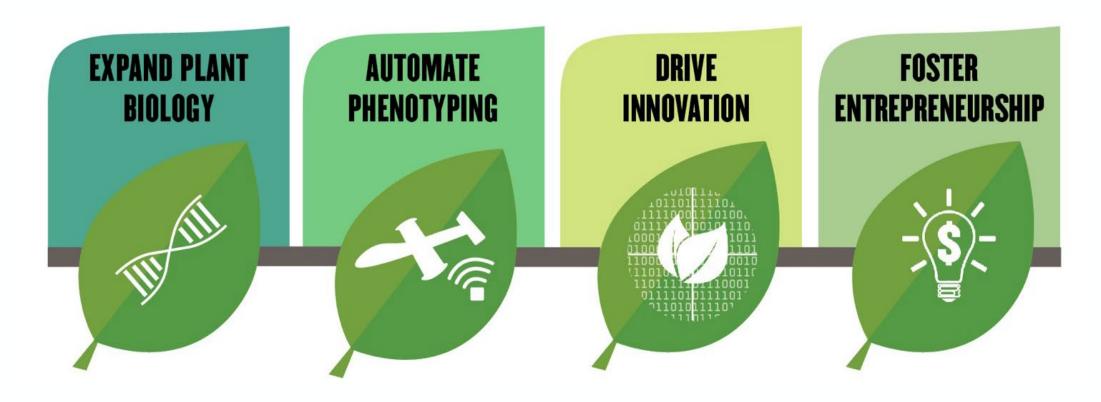
People:

- 245 students engaged
- 15 post-docs completed training
- 41 graduate students received degrees





Purdue invests in Plant Sciences

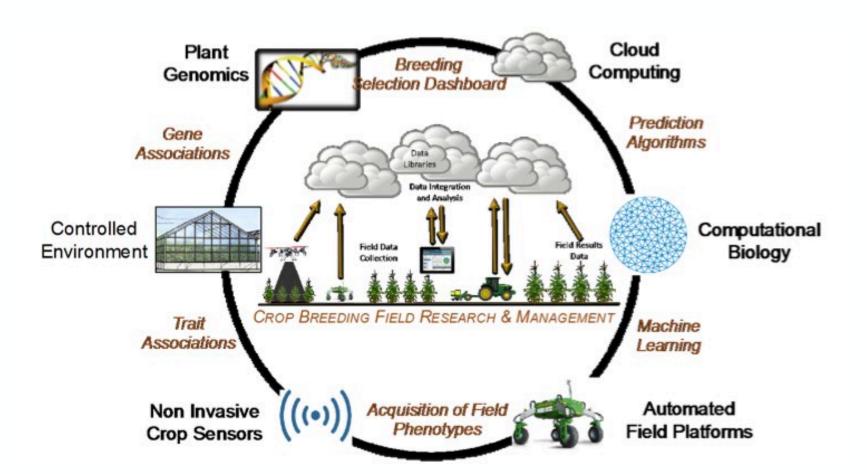


The Purdue Plant Sciences Pipeline brings together multidisciplinary research and education to move discoveries from the bench to application and commercialization.



DOE-ARPA E TERRA Program calls for proposals

Convergence of Biologists, Engineers and Computer Scientists



Team:

- Purdue University
- IBM
- Univ. of Queensland

Colleges Involved:

- Agriculture
- Engineering
- Purdue Polytechnic
- Science

Award: \$6.6M



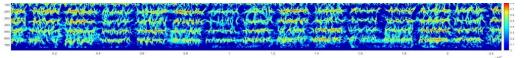
Purdue advances field phenotyping with help from partners

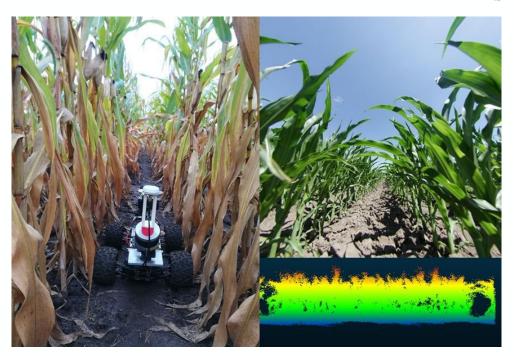


Support from:

- Indiana Soybean Alliance
- Indiana Corn Marketing Council
- AgReliant Genetics
- Almaco
- Corteva
- Bayer
- Ag Alumni Seed





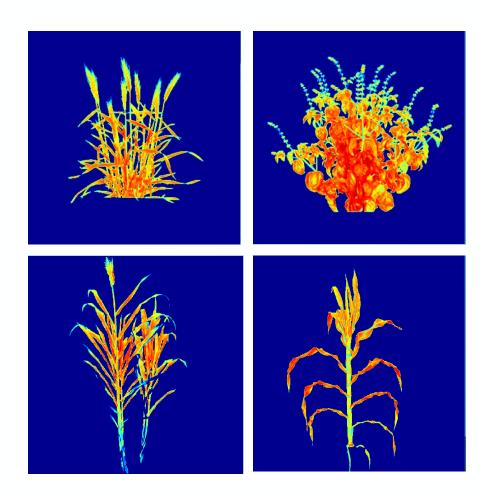


Indiana Corn and Soybean Innovation Center (purdue.edu)

Multi-Disciplinary approach to innovation

Ag Alumni Seed Phenotyping Facility



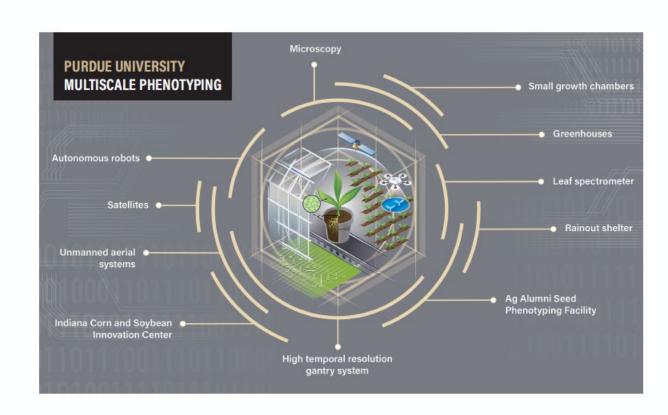




Capitalizing on our accomplishments

Flagship programs in plant phenomics, digital agriculture and big data

- From 2014–2023
- \$300 M in new grants and gifts
- 9000 publications from 150 faculty
- 20% growth in undergraduate enrollment
- Faculty span 5 colleges
- 17 new patents issued in the last two years
- 23 plant-related startup companies commercializing Purdue IP





Ag-celerator funded start ups

growanu.com

Student start up



plotphenix.com

Sold to a large company

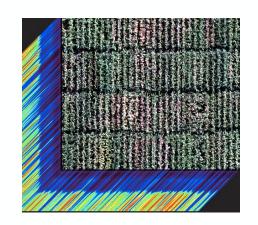




gryfn.io

Data Science company

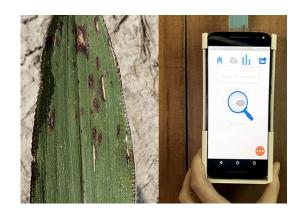




insignumagtech.com

Post-doc start up







Thank You

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