

COLLEGE OF AGRICULTURE UPDATE

Bernie Engel
Glenn W. Sample Dean of Agriculture

Purdue University is an Equal Opportunity/Equal Access institution.

Thank You Purdue-CARET!





PURDUE AGRICULTURE

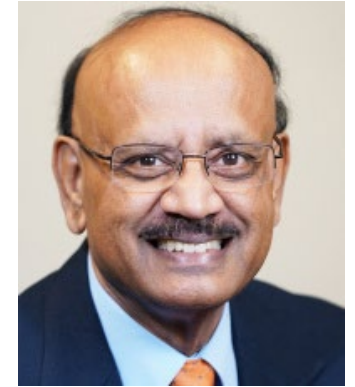
RANKS

#3 *IN THE
U.S.*

#5 *IN THE
WORLD*

QS World University Rankings, 2024

College of Agriculture Leadership Team



College of Agriculture – New Faculty Fall 2024



Andrew Johnston
Entomology



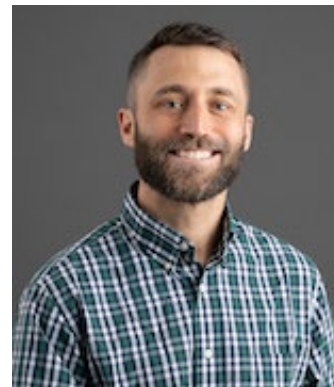
Christie Shee
Natural Resources &
Environmental Science



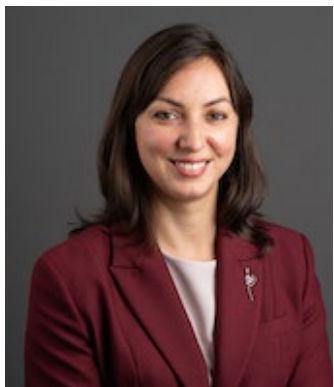
Hanyu Chen
Food Science



Peter Euclide
Forestry & Natural
Resources



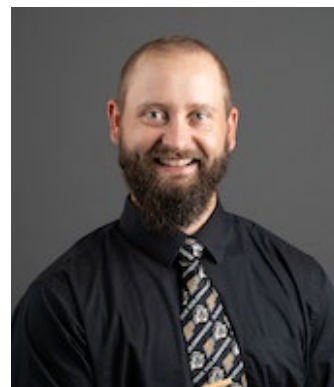
Patrick Ruhl
Forestry & Natural
Resources



Anna Paltseva
Agronomy
Horticulture &
Landscape Architecture



Petrus Langenhoven
Horticulture &
Landscape Architecture



Tommy Butts
Botany & Plant
Pathology



Trey Malone
Ag Economics
Boehlje Chair in
Managerial Economics
for Agribusiness



**César Escalante-
Guardado**
Botany & Plant
Pathology

College of Agriculture - Students

- **Undergraduate Numbers for 2024-25**
 - 2,215 Applications; 1,377 Admitted; **583 Accepted**
 - **2,984 Undergraduates** in College – Fall 2024
- **Launched “Spring Start” Program**
 - Opportunity to bring more undergraduates into college
 - Industry needs well-trained graduates
 - Start in January 2025 instead of August 2024
 - 101 students received offer, 72 Indiana residents
 - **30 Enrolled** – Goal was 20 for first cohort



College of Agriculture - Research

- **Another strong year for research support**
 - \$97.7M external research awards
 - 20:1 ROI
 - Ensures faculty doing cutting-edge research & teaching our undergraduates
 - 690 Graduate Students for Fall 2024



AgSEED Program – Crossroads Line Item



College of Agriculture

AgSEED

**Agricultural Science and Extension
for Economic Development**

*Propelling Indiana agriculture &
rural communities into the future.*

Grants from Indiana's Legislature

spur innovation • spark ideas/technologies • spread knowledge

...through Purdue's Colleges of Agriculture, Health and Human Sciences, and Veterinary Medicine.



purdue.ag/agseed

AgSEED Program

\$41.3 Million
secured in additional funds

OVER 11 YEARS*
DATA FROM 2014 - 2024

*Recently funded projects are ongoing

5 PATENTS

\$9.9 MILLION AWARDED

196 PUBLICATIONS

AgSEED

320 GRADUATE STUDENTS / POSTDOCS FUNDED

270k+ IN MEETING ATTENDANCE

13 HIGH SCHOOL STUDENTS INVOLVED IN RESEARCH

559 UNDERGRADUATES INVOLVED IN RESEARCH

purdue.ag/agseed



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AgSEED Program

Over last 11 years, \$9.9 million in AgSEED funding has helped Purdue researchers secure \$41.3 million in additional funds.

Dr. Ma in Agronomy had an AgSEED project funded to use novel genetic approaches to improve nitrogen fixation in soybeans.

This led to more than **\$1 Million in funding from National Science Foundation and United Soybean Board** looking at soybean nodule development for improved nitrogen fixation.



Jianxin Ma
Agronomy

AgSEED Program

Over last 11 years, \$9.9 million in AgSEED funding has helped Purdue researchers secure \$41.3 million in additional funds.

Dr. Cruz in Botany & Plant Pathology had an AgSEED project funded to develop new methods to detect, monitor and assess tar spot in corn crop.

This led to a **\$800,000 USDA NIFA grant** to use a mix of statistics, data science, AI, epidemiology and more to better understand the dynamics of tar spot in corn.



Christian Cruz
Botany & Plant Pathology

Future of Extension Task Force Update

- **Task Force delivered report in late August**
 - 10 months of work
 - More than 3,000 responses from stakeholder survey
- **Did what they were asked**
 - Collected information and data
 - Delivered a series of actionable recommendations
 - Helping inform on possible paths forward

Future of Extension Task Force Update

- **Report recommendations included:**
 - Review of Purdue Extension's on-campus operations
 - Evaluation of statewide positions and structure
 - Implementation of needs assessments to better inform research-based programming developed on campus
 - Change to Purdue's HR job structure to allow promotion in place
 - Acceleration of modernization of Extension – More about this in next session

Future of Extension Task Force Update

- **Actions already taken:**

- Working with HR to look at job structure
- Kicked off On-campus review of Extension
- Developing new partnerships and additional cooperative agreements
 - New agreements with local health departments to implement Health First initiatives across the state
 - Additional commitments from Conservation Cropping Systems Initiative to support water and soil initiatives
 - Implementing the Childcare Initiative and Positive Youth Development Initiative with the Lilly Foundation
 - Working with Department of Defense on building capacity of state and local governments regarding renewable energy

Future of Extension Task Force Update

- **What's Next**

- **No decisions have been made.**
 - **County contracts signed for 2025.**
- Stakeholder conversations, including 92 counties
- Continuing to provide impactful programming to meet local needs.

What's Next?

What about this year's budget ask?

University is asking the State Legislature for same level of funding as previous budget for both Extension Educator and Crossroads line items.



What's Next?

What can Purdue-CARET do to help the college now?

1. Make sure your **local elected** officials and state legislators know you.
 - a. Show up at meetings they host or ones you know they will attend.
 - b. Invite them to Purdue meetings, programs, field days in your county.
2. Share your own stories of how Purdue – whether it's through Extension or Ag Research personally impacts you.
3. Let your elected officials know how their investment in Purdue Extension and Ag Research is being used.
 - a. Extension Educators Line Item
 - b. Crossroads Line Item

Contacting Purdue leadership regarding Extension and research support would be detrimental at this time.

THANK YOU

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