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Professional & Scientific Council
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https://www.research.iastate.edu/news/
- Safety moment
- Vision for the OVPR and our leadership team
- Celebrate recent successes
- What’s over the horizon?

Photo: Doug Kerr via Flickr
Vision for the VPR at Iowa State

• Support challenging and world-class student and faculty research environments that apply and share knowledge and address societal challenges to make Iowa and the world a better place

• Provide educational leadership for comprehensive student, faculty, and staff training in safe, effective, and ethical research practices and promote a rich and diverse research culture that is welcoming to all

• Manage and develop investments, strategies, and business models for research development and support the success of research centers, institutes, Ames Laboratory, and other partners

• Display servant leadership and partnership in facilitating technology transfer, corporate relations, and economic development and engagement

• Facilitate key collaborative, interdisciplinary partnerships with faculty, staff, departments, colleges, and special units
Renewed call to action

“Big problems require new approaches to problem solving: ... disciplined mind, ... synthesizing mind, ... creating mind, ... respectful mind, and the ... ethical mind.”

“Team building and engagement are critical to success. Multiple disciplines & communities must be engaged.”

“Partnership with the community is essential.”
Iowa State Research

- Foundation of excellence in research & development
  - $368 M expenditures in 2020 (last HERD report)
  - Four years of >$50 M from industry partners

- Top 100 world-wide universities for patents generated, 2020

- National leader in Innovation & Entrepreneurship
  - Assoc. Public & Land-grant Universities IEP Innovation Award, 2020
  - US Admin. For Small Business & Entrepreneurship Award, 2021
ISU Research Portfolio
Grand Challenge Research Themes

“Build a mosaic versus a monolith.” – V. Coleman, CSO at USAF

- Enabling healthy lives (plants, animals, people, communities)
- Building sustainable human and natural ecosystems
- Creating next generation materials and manufacturing technologies
- Enabling data driven discovery and secure cybersystems
- Developing global citizens and vibrant societies
Bioscience Platforms

Biobased products

Digital and precision agriculture

Vaccines and immunotherapeutics

To accelerate translation of discoveries to commercial products by building the partnerships and leveraging strengths
Over the Horizon

- U.S. Innovation & Competitiveness Act (Senate)
- NSF of the Future (House)
- Agriculture Reconciliation Bill
- Infrastructure Bill
- Dept. of Commerce – Build Back Better Regional Challenge
Build Back Better Regional Challenge Grant

Food and Agriculture Innovation & Resilience (FAIR)

Inform
Private Sector: Cooperatives, commodity groups, corporations, and entrepreneurs

Empower
Outcomes: Increased resilience, sustainable future

Consult
Partners: Councils of government, association of communities, Iowa Economic Development Authority

Involve
Engagement: Capacity development, technical assistance, knowledge-sharing, industry leadership

Collaborate
Coalition Portfolio: (1) FAIR Centers (2) Model Farm (3) Food Systems (4) Biobased Products (5) Business Cultivator (6) Workforce Transformation (7) Manufacturing/Supply Chain (8) Core Facility
Innovation & Entrepreneurship
Brings jobs and capital to Iowa

Faculty
Staff
Students
Collaborators
Community
Extension

Talent

To have impact through innovation...

Ames
Facilities
Programs
Ames Lab
Research Park
Student Innovation Center

Place

...create a University and community of systematic change-making.

Research