

WHISTLER CENTER

for Carbohydrate Research



<https://ag.purdue.edu/whistlercenter/>



<https://x.com/whistlercenter>



<https://www.linkedin.com/company/whistlercenterpurdue/>

Renowned Carbohydrate Expertise for Industry

WHO WE ARE

- 16 Faculty Members
- 54 Graduate Students
- 37 Scientists
- Center Coordinator
- 12 Chemistry Laboratories for structure and mechanics of carbohydrates
- 4 Laboratories specializing in gut microbiota and microbial bioengineering
- Dedicated space in pilot plants across 3 separate universities

EDUCATION

- Annual Short Course, October, 17 lectures over 2.5 days
- Webinars, 6 offered per year
- Annual Belfort Endowed Lecture and Technical Conference held in May

ANALYTICAL SERVICES

- Carbohydrate composition
- Molecular size
- Linkage and anomeric configuration
- Rheology
- Calorimetry

RESEARCH FOCUS

- Components for healthy processed foods
 - *Designed carbohydrate ingredients, sugar reduction /replacement, novel health-related ingredients*
- Innovations in processed food quality
 - *Texture, quality, novel monitoring techniques*
- Sustainability and clean-label
 - *By-product streams, biobased plastics, plant-based forward foods, edible coatings and packaging*
- Healthy outcomes
 - *Microbiome, gut health, brain function, weight control, metabolic health, sex differences*
- Leverage knowledge from over \$15 million in competitive grant funding for Whistler Center research within the last 8 years
- Over 50 faculty-led research projects in 2024, as summarized in our annual report

MEMBER BENEFITS

- Opportunities for member companies to conduct short- or long-term research at the Whistler Center
- Get involved in Whistler Center funded pre-competitive projects as an advisory member
- Unlimited attendance to Annual Short Course and Webinars
- Opportunity to send industrial researchers to the center for collaborative research
- Problem-solving meetings with Whistler Center faculty under confidentiality agreements
- Annual Board meeting and Technical Conference in the Spring
 - Discuss scientific posters with students and scientists at our Board Meeting
- Research Focus meeting in the Fall
- Analytical services at a reduced cost
- Annual faculty visits to member companies each year
- Pre-clinical and clinical studies