LABORATORY OF RENEWABLE RESOURCES ENGINEERING (LORRE)

THE VISION FOR A SUSTAINABLE FUTURE

For nearly 50 years, the Laboratory of Renewable Resources Engineering (LORRE) at Purdue University has been at the forefront of advancing renewable energy, bioproducts, and health through innovative research and education.

Under the leadership of Director Michael Ladisch, LORRE has not only produced groundbreaking publications, patents, and prototypes but has also nurtured the next generation of engineers and scientists equipped to tackle complex global challenges. Inspired by the pioneering vision of founding director George Tsao, LORRE is committed to transforming sustainability from a concept into practical, impactful solutions. Our mission is to leverage biological engineering and biochemical fundamentals for advancing biomanufacturing processes and to create renewable bioproducts that replace nonrenewable, carbon-intensive materials.

We've recently moved into new state-of-the-art facilities, and with the support of Purdue's colleges of Agriculture and Engineering, and alumni worldwide, we are poised for a new era of innovation. Your support will help us continue this vital work and ensure that the next 50 years are as impactful as the last while sustaining the directorship of LORRE and the targeted programs that he or she will lead.

Join us in shaping a sustainable, renewable future. Your contribution will drive our research, empower our students, and translate our discoveries into real-world solutions. Together, we can build a brighter, greener tomorrow.

Donate today and be part of the change!

Our overall goal is $7 million, and we seek your help to achieve it. Gifts to Purdue can be pledged over five years and can take various forms, including cash, stocks, bonds, mutual funds, real estate, life insurance, and retirement assets. Planned or estate gifts offer the opportunity to provide for loved ones, receive tax benefits, and generate income while supporting LORRE's commitment to educating future generations of students who will become leaders in sustainable biomanufacturing and renewable resources engineering. You can support LORRE by contributing to the LORRE Strategic Initiative and Growth Endowment, establishing a named LORRE endowment and directorship, or naming various LORRE laboratory spaces within the Agricultural and Biological Engineering building.

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LORRE STRATEGIC INITIATIVE FUND

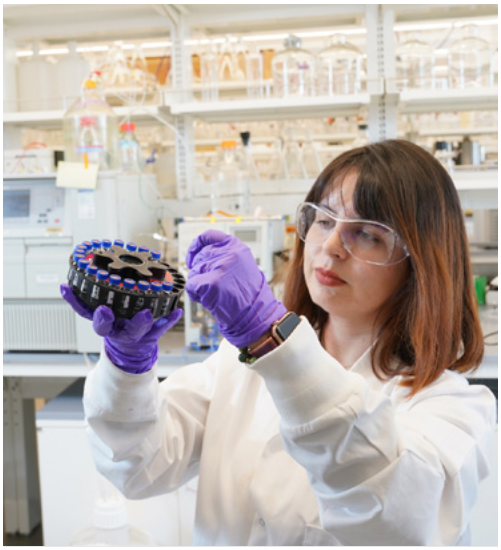
YOUR SUPPORT:

- **Sustain the LORRE Directorship**
  The director and faculty are the keys to the success of LORRE's interdisciplinary research and educational program in biomanufacturing related to bioproducts, biofuels, and health. The laboratory's mission will require a director with an engineering background who is able to work across schools in engineering, agriculture and the sciences. He or she will be someone who is recognized nationally and internationally and who will proactively lead large, sponsored research programs. Alumni can play a key role in creating a foundation of resources for recruitment and sustainability for the position of director.

- **Fuel Innovation and Discovery**
  New ideas in bioprocessing and innovation, coupled with advances in biomanufacturing, will be discovered by providing exploratory research grants for faculty. These resources will allow them to pursue bold ideas and push the boundaries of knowledge in AI for enzyme and microorganism design, bioconversion of CO2 to bioproducts, tissue culture for pathogen detection, and more.

- **Empower the next generation of Innovators**
  Hands-on learning opportunities for undergraduate and graduate students and access to state-of-the-art equipment and instruments form the foundation for validating new ideas and models. A named endowment will provide support for students to attend national professional society meetings. Dynamic seminar series will be supported to showcase researchers, innovators and pioneers in biochemical and biological engineering through named lectureships.

- **Seed Strategic Growth**
  The maintenance, repair and upgrading of our state-of-the-art research equipment and instruments is needed to ensure the laboratory environment is always available for experimentally validating groundbreaking innovations and new concepts. This type of support will be based on a named endowment. Faculty and LORRE's interdisciplinary collaborators could submit proposals for early-stage research ideas that define the future of biological and biochemical engineering.



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