2023 EDORT

ANNUAL REPORT

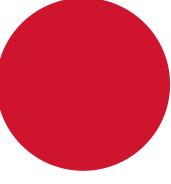














Our Mission is to commercialize technologies for the public good.



To our shareholders, customers, and colleagues



Dear Colleagues and Friends,

Iowa State University's Office of Innovation Commercialization (OIC), comprising the Iowa State University Research Foundation (ISURF) and the Office of Intellectual Property and Technology Transfer, has had a remarkable year in FY23. We have transitioned from being an umbrella term for two units housed under one roof to having these units work synergistically to create meaningful partnerships that drive the development of technology emerging from research at ISU and the Ames National Lab.

One of the most significant indicators of our success is the substantial increase in license transactions, which has grown by an impressive 155% over FY22. This accomplishment means that over 87 technology portfolios are now in the process of commercial development, resulting from deals executed last year. Some of these technologies have even reached the stage of being products that people are actively using.

In addition to these successes, we have also featured select articles that highlight our efforts with internal partners in the innovation ecosystem. We are dedicated to commercializing the inventions and discoveries that stem from the research enterprise at ISU, and we are proud of our contributions in this regard. We are excited to continue building on this momentum to transform the OIC into a proactive, value-adding partner for innovative solutions that align with our mission to commercialize technologies for the public good.

Thank you for your continued support, and we look forward to another year of collaboration, progress, and success.

PATRICK J KLEPCYK

Director, Office of Innovation Commercialization

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Director, Office of Intellectual Property and Technology Transfer

President, Iowa State University Research Foundation, Inc.

2023 in Review

130

Disclosures of intellectual property

112

Patent applications filed

Patents Awarded

87

License and option agreements executed on institutional intellectual property in lowa

14

License and option agreements executed on institutional intellectual property in lowa

113

License and option agreements yielding income

#54

Iowa State University ranks #54 on Top 100 U.S. Universities Granted Utility Patents \$3.0M

Revenue to lowa companies as a result of licensed technology

Dr. Kyoungjin J. Yoon Nomination

FY2023 ISU Award for Achievement in Intellectual Property



Dr. Yoon is a prolific inventor on 28 invention disclosures and 21 issued patents, placing him in the top 20% of inventor peers at ISU.

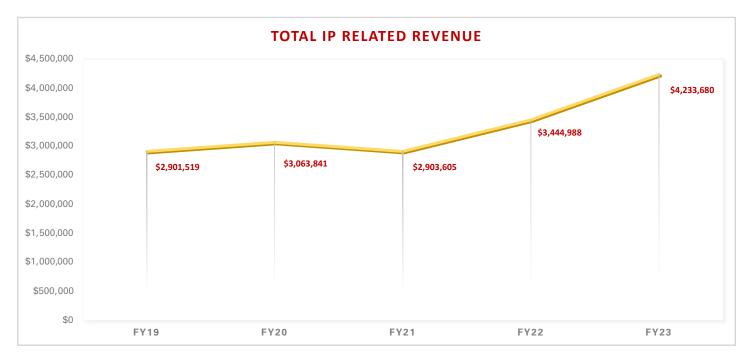
His inventions cover a spectrum of applications from research tools to diagnostics to vaccines. Successful commercialization has been for Monoclonal Antibodies to Rotavirus B and C that are currently licensed for sale and distribution as research tools used by academic and commercial groups to advance understanding of that disease and treatment, as well as intellectual

property that has been developed into vaccines to treat both production and companion animals.

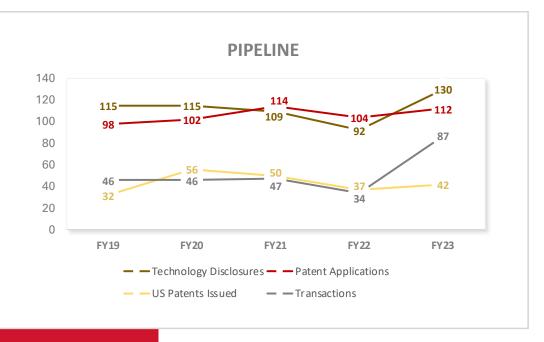
Perhaps the most notable impact is from the Canine Influenza IP portfolio. Launched as a commercial product with a global animal health partner in 2013, it was well positioned for an influenza outbreak in 2015 when 10s of thousands of doses were distributed that year. Incorporating the vaccine into a multivalent product in 2019 has increased distribution today to 10x above levels seen at product launch.



By The Numbers



The robust performance of historically revenue generating licenses coupled with recent opportunistic partnerships resulted in revenue gains of 22% over FY22.



Strong growth in Technology Disclosures and Transactions are leading indicators of future patents added to our pipeline and potential revenue

In the News

Capitalizing on the Spark

From concept to commercialization, Iowa State teams take new discoveries to market

Written by Patrick Klepcyk / Photo by Christopher Gannon/Iowa State University

Sparks of new discoveries happen every day at Iowa State University. From hightech, digital ag sensors to human and animal vaccines, to the technology for recycling rare earth materials from electronic waste, these innovations provide tremendous opportunities for the Office of Innovation Commercialization to share them with the world.

ISU assistance

Researcher designs better

company with

maternity garments, launches

Printed online in ISU News Service Oct. 11, 2022

In a design lab at Iowa State University, Ling Zhang emerges from a forest of mannequins. The assistant professor of apparel, events and hospitality management is carrying two nursing bras and a camisole. They're prototypes Zhang designed and are part of a business she's launching to help new and expecting mothers.

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Five Questions with the

By Anne Krapfl, printed Oct. 13, 2022

Invention Expert

Patrick Klepcyk ("KLEP-sick") leads the Office of Innovation Commercialization, an umbrella for two workhorse units: The ISU Research Foundation owns and manages the research intellectual property -- inventions -- developed at lowa State. The Office of Intellectual Property and Technology Transfer executes all agreements about its use, which involves negotiating with industry partners and commodity groups. Collectively, the staffs work on about 100 patent applications and 1,400 supporting agreements in a year.

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Innovation at Work: Culture of collaboration fosters big ideas, new technologies, impactful solutions

By Angie Hunt, ISU News Service - March 21, 2023 / Photos by Christopher Gannon/Iowa State University

The initial results look promising for a commercial animal vaccine that Iowa State University researchers with the Nanovaccine Institute have formulated using nanoparticles.



Continue

The research project is part of a collaborative partnership with Merck Animal Health announced in February 2022. Based on progress to this point, the newly formulated vaccine could provide significant animal health and economic benefits.

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Portfolio

PIPELINE

ISURF has a portfolio over 500 technologies at various stages of protection and development.

49	37	56	89	29	11	67	77	14	47	23	19	33
Agriculture	Ames Laboratory	Engergy, Cleantech, & Env	Eng & Physical Sciences	Healthcare	Imaging	Life Sciences	Materials	Medical Devices	Research & Design Tools	Sensors & Controls	Software & IT	Veterinary Medicine

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IOWA STATE UNIVERSITY Office of Innovation Commercialization