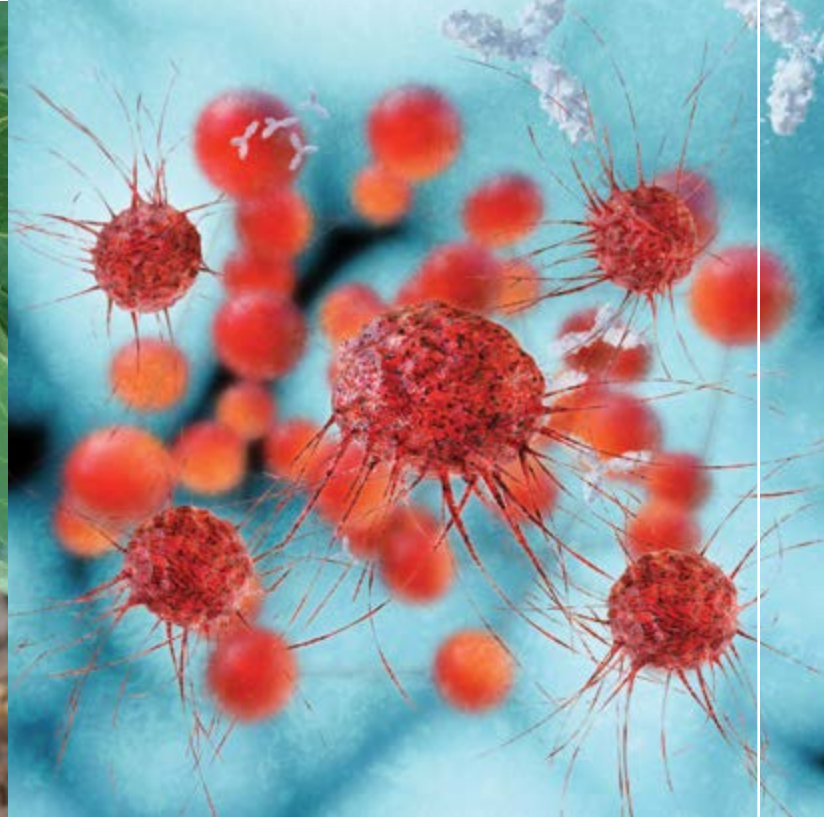




UNIVERSITY OF
GEORGIA

Innovation Gateway
Office of Research



600+ PRODUCTS

introduced to the marketplace

**\$128 MILLION
ECONOMIC IMPACT**

from jobs created

150+ COMPANIES

launched based on
UGA research

INNOVATION GATEWAY

Innovation Gateway maximizes the impact of UGA research discoveries and fosters economic development through industry partnerships and new venture formation.

As the university's intellectual property licensing and startup support arm, Innovation Gateway streamlines the path from the laboratory or field to the marketplace, ensuring that UGA research discoveries reach their full potential for public benefit.

LICENSING

Innovation Gateway's intellectual property licensing program works with University of Georgia faculty to identify technologies with commercial potential, protect intellectual property and delineate possible paths to the marketplace.

Hepatitis B drug licensed

Clevudine, a compound discovered in the College of Pharmacy that treats Hepatitis B, has recently been licensed for development in China. It is already sold in Korea and the Philippines.



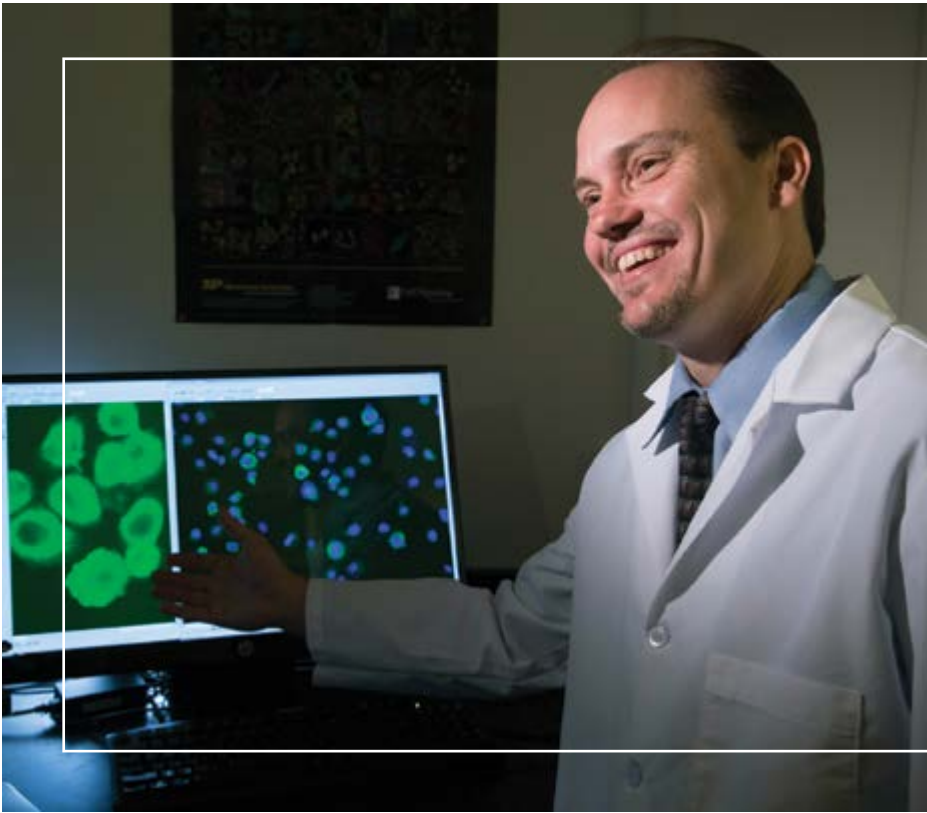
DISCOVER

EUREKA! After years of painstaking work, researchers make a discovery that may have commercial potential, so they get in touch with Innovation Gateway.



EVALUATE

ANALYSIS Innovation Gateway experts gauge the invention's market and patent potential. Sometimes they license the invention to an established company that acts as a bridge between researchers and the marketplace. Or, experts might suggest that a startup company is the best path forward.



Startup: Abeome

Rick Shimkets is president and CEO of Abeome, an Innovation Gateway biotech startup based on a technology developed by Rich Meagher, UGA Distinguished Research Professor of Genetics. Abeome has developed a pipeline of therapeutic antibodies using its AbeoMouse technology, which rapidly creates high-affinity antibodies. Abeome's pipeline targets asthma, cancer and other major diseases.

STARTUPS

Innovation Gateway's startup program helps University of Georgia researchers launch successful startup companies by moving them through a logical process of idea exploration, evaluation, development and scale-up that will support sustainable growth.

Banishing Bacteria

Molecular Therapeutics manufactures the FDA-cleared antimicrobial solutions Silvion™ and Silvaklenz®, which kill most pathogenic bacteria and fungi, including multiple-drug-resistant bacteria.



INCUBATE

PRODUCT If researchers go the startup route, Innovation Gateway mentors the young business and helps it grow by providing access to business expertise, funding, equipment and lab space. Once the invention is commercially viable, the company graduates from the business incubator or it may be purchased by another company.



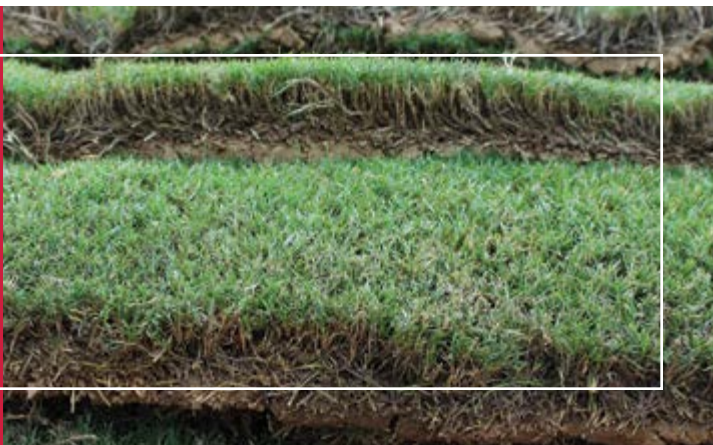
PRODUCT IN THE MARKETPLACE

SOLD If a business makes it this far, it's financially sustainable. Now both the inventors and the university may earn royalties from product sales based on the resources invested.

Moving New Technologies to the Marketplace

Turfgrass thriving

Demand is strong for the new drought-tolerant turf variety TifTuf[®] bermudagrass. A Georgia-based licensee, The Turfgrass Group, Inc., has signed up 36 producers across the southern U.S. from Georgia to Virginia and as far as California to meet the growing demand.



Research tools licensed

Over 400 research tools developed at UGA are available to investigators worldwide through partnerships with Kerafast, Millipore, Sigma and Thermo Fisher to facilitate innovative research.



Small peanuts, big impact

More than 90 percent of the peanuts produced in Georgia are UGA-developed peanut varieties. Over 3.5 billion pounds of peanuts were grown in Georgia in 2015, making the state #1 in the U.S.



Kanuma[®] saving lives

Following regulatory approval in the U.S., Europe and Japan, the innovative rare disease therapy produced using UGA-developed technology is aiding patients for whom no treatment was available.

Green bioengineering technology

Technology from the College of Engineering was licensed to facilitate sustainable microbial production of nutritional supplements. The technology is already in use for commodity chemical production as an alternative to petrochemicals.



Georgia Bio Community Award

Derek Eberhart, director of Innovation Gateway, was recognized for connecting industry with university expertise and inventions for the public good, promoting economic development, and increasing research visibility.

Georgia Bio Community Award

Alan Darvill, director of the Complex Carbohydrate Research Center (CCRC) and Regents Professor of Biochemistry, Molecular Biology and Plant Biology, was recognized for CCRC's contribution to defining the roles carbohydrates play in growth and development, host-pathogen interactions, and disease processes such as cancer. Research at the CCRC has led to numerous patented technologies and multiple startup companies.

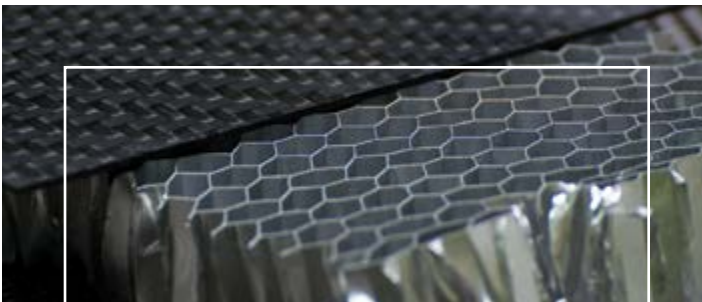


Transforming Ideas into Innovative Companies



New COO to lead startup program

In 2016, Ian Biggs joined Innovation Gateway as chief operating officer of the startup program, bringing experience in both early-stage startup formation as well as large corporate leadership. The Innovation Gateway startup program is working with the UGA Entrepreneurship Program and the Small Business Development Center to establish UGA as a national hub for entrepreneurial activity by providing opportunities and guidance for researchers, students and small businesses across the state.



New directions in material science

In 2016, Innovation Gateway led UGA's successful effort to win an i6 grant from the U.S. Department of Commerce. The i6 grant will help fund a prototyping center to leverage UGA's expanding engineering and materials research expertise. It will complement UGA's partnership in the Advanced Functional Fabrics of America national institute funded by the U.S. Department of Defense to advance manufacturing leadership and job creation in the U.S.



Growing startup pipeline

The startup incubator now guides more than 60 projects spanning the diversity of UGA's research enterprise – from agriculture to life sciences to materials and engineering – through the startup pipeline. Researchers pursuing startups engage in a robust program of education, coaching and mentoring, and have access to funding and incubator space and equipment.



Georgia Bio Industry Growth Award

Steven L. Stice, director of UGA's Regenerative Bioscience Center, was honored for his longstanding commitment to growing the life science industry in Georgia as well as the advancement of regenerative medicine research and commercialization in the state. He is the D.W. Brooks Distinguished Professor, a GRA Eminent Scholar, and founder of multiple startup companies, including Athens-based ArunA Biomedical.

Georgia Bio Innovation Award

Robert Ivarie, professor emeritus of genetics and co-founder of UGA startup company Synageva, was honored with the Innovation Award for developing technology to produce biopharmaceuticals in chicken eggs. Synageva was acquired for over \$8 billion in 2015. A drug based on Ivarie's technology is now on the market in the U.S., Europe and Japan.



POINTS OF PRIDE

TOP 5

Among all U.S. universities for new products reaching the marketplace: 3rd consecutive year

TOP 10

Among all U.S. universities for licenses / options executed: 9th consecutive year

TOP 20

Among U.S. public universities for licensing revenue: 12th consecutive year



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Established in 1978, the University of Georgia Research Foundation, Inc. (UGARF) is a nonprofit corporation with a broad mission that includes service to the research enterprise at the University of Georgia. UGARF owns intellectual property developed by university personnel, and Innovation Gateway is the commercialization arm, working to appropriately protect and license UGARF's intellectual property portfolio.