



Breakthroughs in Georgia

*How discoveries from our state's universities
are changing lives and growing the economy*

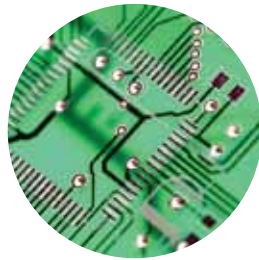
We can all be proud of what's being discovered and invented at Georgia's universities.



A leading treatment for
dry eye (Restasis®).

A novel approach to
fighting glaucoma.

A more precise
system to test vision.



Never-before-seen
technologies to
stop cyberattacks,
foil phone fraud and
pinpoint hidden leaks
in your home plumbing.



A test that identifies
Alzheimer's years before
symptoms arise.



Injection needles so tiny
you barely feel them.



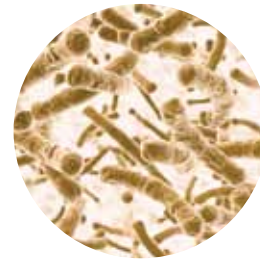
The world's most-prescribed drugs for HIV, taken by 9 out of 10 Americans who have the disease.



Bermuda grass that's now the turf of choice in pro stadiums and on world-class golf courses.



A way to detect autism in children two months after birth.



Sensors that spot invisible contaminants wherever you are.



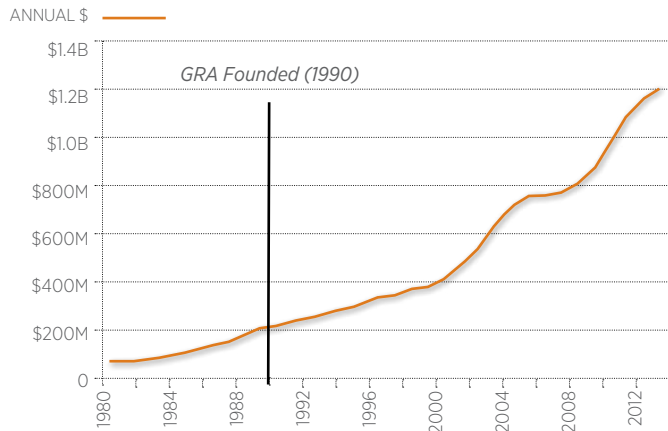
A hydrangea that blooms again and again throughout the season.

All of these breakthroughs emerged from Georgia's universities in recent years.

And they're just the beginning of what's to come.

* See an impressive list at [GRA.org/Breakthroughs](https://www.gra.org/Breakthroughs)

FEDERAL R&D INVESTMENT IN GEORGIA'S RESEARCH UNIVERSITIES



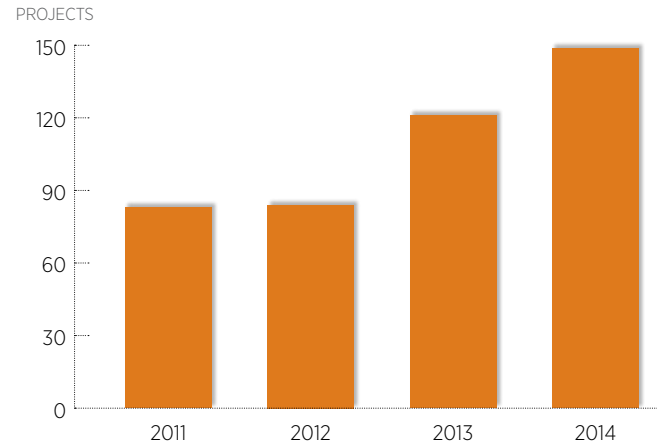
Since GRA's founding, Federal R&D investment in Georgia universities has grown five-fold.

STEP 1

Strategically invest in university research.

The Georgia Research Alliance (GRA) recruits brilliant scientists to Georgia — then provides state-of-the-art technology to help them discover and invent. The talent and technology drive more research grants to the state.

INVENTION / DISCOVERY PROJECTS PROPOSED TO GRA VENTURES



University breakthroughs with commercial potential in the GRA Ventures pipeline have grown steadily in three years.

STEP 2

Seed and shape companies around inventions.

GRA Ventures provides seed grants to refine and scale breakthroughs that are commercially viable. GRA Industry Fellows become CEOs of these startups (or connect the companies with experienced management).

STARTUP COMPANIES RECEIVING GRA VENTURE FUND INVESTMENT

COMPANY	TECHNOLOGY AREA	GRAVF \$ INVESTED	TOTAL INVESTMENT
Asankya	Cloud computing	\$483,908	\$4,940,704
Clearside Biomedical, Inc.	Ophthalmic therapeutics	\$2,180,993	\$34,000,000
Damballa	Network security	\$2,078,623	\$59,206,838
Lumense, Inc.	Optical sensors	\$1,499,998	\$4,975,000
Pindrop Security	Phone anti-fraud security	\$100,000	\$47,000,000
Sentrinsic	Industrial controls	\$400,009	\$1,117,259
Soneter	Flow meter	\$1,000,000	\$4,000,000
StarMobile, Inc.	Mobility	\$1,000,000	\$4,000,000
Urjanet	Energy	\$1,134,994	\$8,137,768
TOTAL		\$9,878,525	\$167,337,569

\$9.9M in GRA Venture Fund investment in 9 companies has helped draw \$167.3M in outside investment

STEP 3

Help the best startups grow faster.

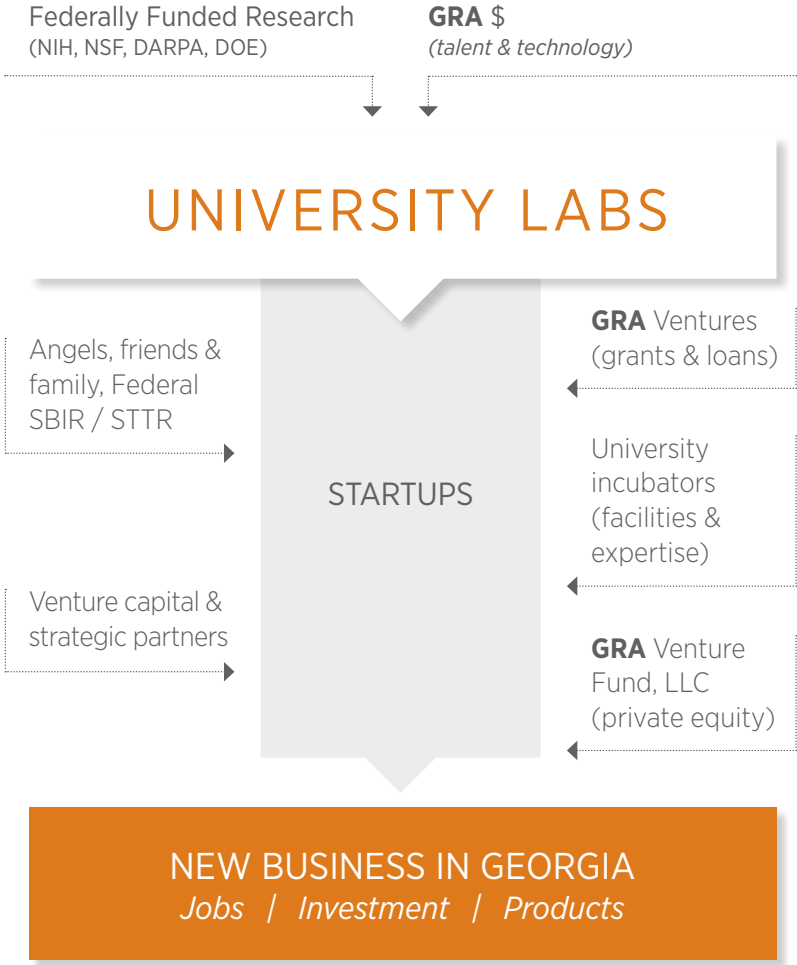
GRA Venture Fund, LLC adds crucial early-stage investment to the most promising startups. The public-private fund also generates outside investment from syndicate partners and investors to accelerate growth.





Taking university inventions to market in Georgia

For 25 years, GRA has been key in developing Georgia's ecosystem for university research and commercialization.



What it takes
to make a breakthrough
(and grow Georgia's economy)

Breaking through silos: Business, government and universities work together through GRA.

The collaboration that created GRA 25 years ago is evident today in GRA's Board of Trustees.



Georgia Research Alliance: Three sectors working together

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Heartfelt thanks to our supporters

The generosity of individuals and organizations has driven GRA's operations and management for 25 years. If you'd like to join our efforts to expand university research to grow the economy, visit GRA.org/donate.

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By any measure, it was a bold new idea for Georgia. Twenty-five years ago, several of the state's most prominent leaders in government, industry and academia united for one purpose: Building greater collaboration among the state's universities to expand scientific research and launch new companies.

The result was the Georgia Research Alliance. Today, GRA continues to strengthen the research enterprise in Georgia by working in partnership with the University System of Georgia. GRA also helps seed and shape new companies launched out of university labs — to support the state's economic development strategy and create the companies and jobs of Georgia's future.

GRA's first priority

is to expand research capacity
at our eight partner universities:

The University of Georgia
Georgia Regents University
Mercer University
Emory University
Clark Atlanta University
Georgia Institute of Technology
Georgia State University
Morehouse School of Medicine



Georgia Research Alliance

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GRA.org



On the cover: Georgia Tech researcher Hope Gole cuts molds out of polymer to advance nanotechnology research. Photographer: Rob Felt.