



































GRA

# drives new investment

in our state.

By recruiting world-class scientists and building R&D capacity at our research universities, the **Georgia Research Alliance** has turned \$565 million of state funding into **\$2.6 billion** in outside investment.

provides a critical strategy for economic growth.

It's not enough to attract companies to Georgia – we must also grow our own.
GRA-related activities have helped launch
300+ companies out of Georgia's research universities and create nearly 6,000 high-value jobs.



GRA

proves the power of business, government and academia working together.

Through the Alliance, top leaders in business, government and academia are at the same table, working together. Their commitment has never wavered since GRA's founding in 1990. And because of GRA, the state's universities collaborate in novel ways.





# **sparks invention and discovery** to make the world better.

Georgia can be proud of the number and magnitude of discoveries and inventions made possible through GRA's efforts. Because of GRA, university scientists are finding new ways to treat disease, grow crops, vaccinate children, provide energy and much more.



- > a gel that enables broken bones to heal faster > solar cells that produce more power at a third less cost
- > a needle that replaces mitral valves in the heart without making an incision > a way to breed chickens to resist deadly Newcastle Disease > an industrial pump that knows when to turn on and off > a quicker and more
- accurate diagnostic for Alzheimer's disease > a material that makes it possible to store hydrogen in a car fuel tank
- > an instrument that detects the presence of a virus in mere seconds > a system that removes ovarian cancer cells
- > a technique to identify autism in the first six months of life > microscopic spheres that can deliver drugs to the body
  - > software that helps companies reduce energy costs > a virtual reality instrument to measure eyesight
    - software that helps companies reduce energy costs > a virtual reality instrument to measure eyesight
- > a technology to detect and prevent phone fraud > vaccines that reduce cancerous tumors or prevent HIV / AIDS
  > a polymer that captures carbon from coal-burning plants > a way to shut off an enzyme that suppresses the

body's immune response > a smart-phone attachment to conduct ear examinations anywhere > dissolving needles that administer vaccines more efficiently > a device to calculate the weight of pigs without hoisting them on a scale > a process that makes MRI images clearer and more informative > a way for doctors to treat stroke victims thousands of miles away > a computer model that speeds the discovery of new drugs

## **The model** of how GRA works to grow Georgia's economy and create a better world

1. GRA recruits the world's top scientists and invests in technology to grow university R&D capacity.



**3.** GRA helps shape and seed companies around the most promising discoveries.

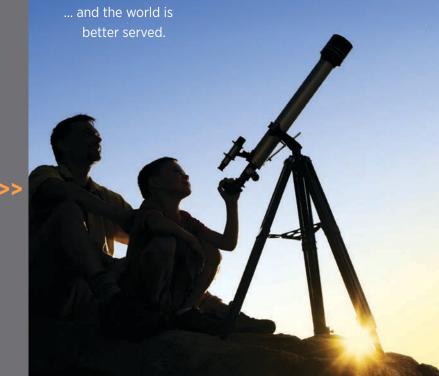






**4.** New companies are launched, new high-value jobs are created ...





#### Four **perspectives** on GRA's value



"GRA is crucial to Georgia's economic development strategy.

As I travel around the country, I am

proud to see that GRA is regarded as the national model for building university research capacity in order to grow technology-based companies and create the jobs of tomorrow."

**The Honorable Nathan Deal**Governor
State of Georgia



"Universities have become critical building blocks in the ecosystem of U.S. innovation.

Georgia Research Alliance is a national role model for having pioneered and refined the process for launching technology-based companies out of university research - the kind of companies our economy will depend on in the future."

Deborah L. Wince-Smith
President & CEO
U.S. Council on Competitiveness



"Georgia's corporate leaders recognize how important GRA is to the future prosperity of our state.

GRA plays a leadership role in moving our economy into a new dimension – one that creates more high-value jobs and expands the possibilities for companies seeking new ways to grow."

Clyde C. Tuggle
Senior Vice President
Chief Public Affairs and Communications Officer
The Coca-Cola Company



"GRA has encouraged unprecedented collaboration among Georgia's research universities, industry and government.

This cooperation has yielded impressive results: GRA has been the catalyst for attracting \$2.6 billion in federal and private investment to the state and has helped Georgia's universities launch more than 300 new companies. Georgia is stronger because of GRA."

Hank M. Huckaby Chancellor University System of Georgia

### A true **alliance** of leadership GRA Board of Trustees 2011-2012

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**6,000 high-value jobs** created and **300+ companies** launched based on **1000s of discoveries** emerging from **Georgia's research universities** strengthened by **1 nonprofit organization: GRA** 



