



5 Stories of

Discovery in Georgia



GEORGIA
RESEARCH
ALLIANCE



What's being discovered or invented in Georgia?

The answers may surprise you. Thanks to the efforts of Georgia's research universities and their partnership with GRA, our state is fast gaining a national reputation for turning scientific discoveries into economic gains.



Georgia farms have saved millions of gallons of precious water

through a high-tech system that applies precisely the right amount of water to each irrigated field. This technological marvel can be found at the University of Georgia's National Environmentally Sound Production Agriculture Laboratory (NESPAL) in Tifton.

GRA's role: Making the lab a reality by investing \$3.7 million into a 50,000-square-foot facility – an investment that leveraged another \$4.7 million from several sources. GRA also invested \$4.4 million in NESPAL's Precision Farming Initiative. Every \$1 invested by GRA has brought in more than \$6 in federal and private funds. 🌱



The largest, most comprehensive study of type 1 diabetes to date

is being conducted at the Medical College of Georgia. GRA Eminent Scholar Dr. Jin-Xiong She is spearheading the effort, which involves testing 220,000 infants worldwide and then monitoring 7,000 high-risk babies for 15 years. Children with diabetes face a lifetime of insulin treatments and potentially life-threatening health problems.

GRA's role: Playing a pivotal role in helping MCG recruit Dr. She, a prominent molecular and genomic scientist, from Florida. Dr. She brought with him 20 scientists and two trucks containing millions of tissue samples and reagents. His work has brought in millions of dollars in federal and private grants. 🌱



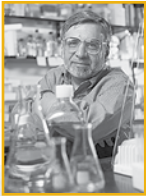
Dr. She

People in clinical trials across the U.S. are now receiving an HIV/AIDS vaccine

developed by the Emory Vaccine Center. The international medical community regards the vaccine as one of the most promising of its kind in the world.

GRA's role: Helping Emory University recruit Dr. Rafi Ahmed, a renowned immunologist, from UCLA to start the center; investing in the creation of a facility and purchase of technology; helping to recruit two other Eminent Scholars. The vaccine center has brought more than \$200 million in outside funding to Georgia, including \$18 million in grants from the prestigious Bill & Melinda Gates Foundation. ∞

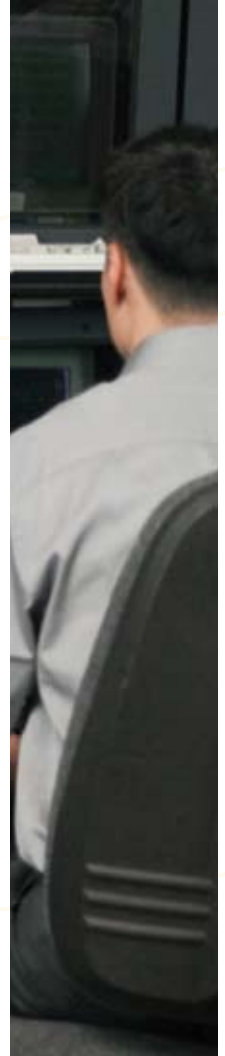
Dr. Ahmed



Software invented by GRA Eminent Scholar John Copeland is combating cybercrime

by protecting computer networks at the State of Georgia and hundreds of companies and government agencies. The software – now the most widely used solution of its kind – gave rise to Lancope, an Alpharetta company employing more than 60 people.

GRA's role: Helping Georgia Tech land Dr. John Copeland as Georgia's very first Eminent Scholar. Dr. Copeland says without GRA's support, he "most likely would have left Georgia to work somewhere on the West Coast." ∞



Georgia scientists have discovered antiviral drugs that could become a powerful weapon against avian flu.

The discovery by University of Georgia scientists, led by GRA Eminent Scholar Dr. Ralph Tripp, already shows great promise in fighting respiratory syncytial virus (RSV), which hospitalizes more than 90,000 infants, young children and elderly adults each year.

GRA's role: Helping the University of Georgia recruit Eminent Scholar Dr. Ralph Tripp; investing \$2 million to renovate UGA's Animal Health Research Center, a 75,000-square-foot research enterprise. Dr. Tripp has recruited leading scientists from universities and government and is working to create two biotech companies in Georgia. 🐣

Dr. Tripp



Invest with us.

Corporations, foundations and individuals play a vital role in advancing discovery in Georgia by investing in the work of scientists at our state's research universities. Think about how you might get involved in these efforts – whether providing seed funding for novel research projects, supporting new scientists or expanding the work of GRA. Contact us at opportunity@gra.org to learn more.

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