

GEORGIA'S UNIVERSITY SCIENTISTS:

All-in on the fight against COVID-19

Here's what they're working on in university labs and startup companies supported by the Georgia Research Alliance:

A promising drug treatment for COVID-19

Brought from the lab by Emory nonprofit DRIVE, LLC, it's now in human clinical trials. [MORE >](#)



A novel vaccine

Developed by a team led by GRA Eminent Scholar Ted Ross at UGA, it's now being tested in animal models. [MORE >](#)



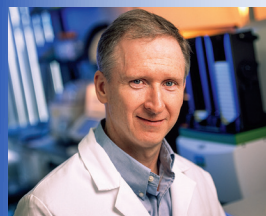
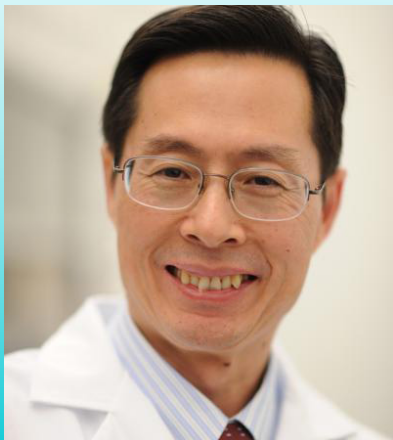
Fast evaluation of drug compounds

Georgia Tech startup Axion is supplying COVID-19 drug developers with advanced technology to evaluate many potential compounds at once.



Anti-inflammatory drug

J.D. Li, a GRA Eminent Scholar at Georgia State, is pairing a successful anti-inflammatory drug with antiviral therapeutics. [MORE >](#)



Developing new compounds

They showed "antiviral activity" against Ebola, and GRA Eminent Scholar Chris Basler of Georgia State is now working to test them on SARS-CoV2. [MORE >](#)

National vaccine testing

The first vaccine to protect against COVID-19 is being tested on humans at Emory's Hope Clinic. [MORE >](#)



Georgia Research Alliance

“Anti-spike” antibodies

GRA Eminent Scholar Jin-Xiong She of Augusta U is pivoting his work in cancer cell therapies to generate antibodies against COVID-19. [MORE >](#)

Re-purposing of existing drugs

GRA Eminent Scholar Ralph Tripp at UGA found three FDA-approved drugs that have the potential to treat COVID-19. One is now in testing. [MORE >](#)



Evaluation of treatment

Morehouse School of Medicine scientists are working with a pharma company in Senegal to evaluate an herbal treatment for COVID-19. The treatment has been used to treat HIV patients in Senegal.



Rapid test processing

The Georgia State lab of GRA Eminent Scholar Julia Hilliard is analyzing up to 1,500 coronavirus tests daily.

Beyond GRA-supported scientists, Georgia’s universities:

Engineered portable ventilators

Georgia Tech’s engineers have created a prototype for a new low-cost, portable emergency ventilator. Using electronic sensors and computer control, the new ventilator is designed to be produced for less than \$300. [MORE >](#)

Made, delivered face shields

Georgia Tech researchers have made and delivered 10,000 of them to protect healthcare workers. [MORE >](#)



Developed a “Coronavirus Checker” instrument

Emory University’s tool allows site visitors to screen themselves for symptoms of the virus.



Developed new COVID-19 tests

Augusta U’s test gets results in 2 hours; Emory’s new serological test helps track the spread of the disease.



Created an evaluation tool

Georgia Tech’s instrument is helping Piedmont Hospital decide whether to re-test patients for COVID-19. [MORE >](#)

Donated hundreds of N95 masks

Mercer University gave them to healthcare workers and made several ventilators available for use. [MORE >](#)