

IT HAPPENED...

...IN

2018

5 major **MILESTONES** reached

1 Georgia Tech opens world-class facility to advance cell-based treatments ▼


2 Emory Vaccine Center hits \$1 billion mark in research grants

3 Mercer University delivers its 10,000th prosthetic limb to people in need

4 Georgia climbed three spaces to reach the top 6 in the U.S. for invested venture capital

5 GRA's member universities ink an agreement to share each other's core research facilities and equipment.

SOURCES: Technology Association of Georgia, SSTI



Grand opening, June 6, 2018: Philanthropist and Home Depot co-founder Bernie Marcus (center) tours Georgia Tech's MC3M facility (Marcus Center for Therapeutic Cell Characterization and Manufacturing).

Important **DISCOVERIES** made by GRA- supported scientists

Strengthening antibiotics
(Dr. B. Wang, Georgia State)

Inhibiting Ebola's ability
to multiply
(Dr. Basler, Georgia State)

Detecting infections around
medical devices
(Emory team)

Explaining why infected
monkeys don't get AIDS
(Dr. Silvestri, Emory)

Developing an alternative to
plastic wrap
(Georgia Tech team)

Understanding why children
get Type 1 diabetes ►
(Dr. She, Augusta U)

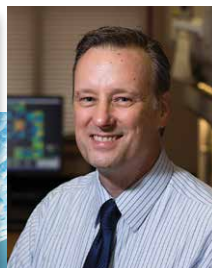
Pinpointing delivery of
medicine
(Dr. B. Wang, Georgia State)

Finding hidden biomarkers
inside the body
*(Dr. She, Augusta and Dr. P.G. Wang,
Georgia State)*

Creating more durable
cancer-fighting cells
(Drs. Celis and Sultan, Augusta U)

Explaining why bacteria
evades drugs inside the body
(Dr. Whiteley, Georgia Tech)

Healing brain tissue faster
(Dr. Stice, UGA) ▼



GRANTS & DEALS that drove more university research and entrepreneurship

\$90 million from investors to Pindrop in ►
Series D round

\$25M from investors to Antios Therapeutics
in Series A round

\$8M from NIH to GRA Eminent Scholar
Ming-Hui Zou for three projects

\$5.3M from angel investors to ArunA Biomedical

\$5M from FDA to UGA for optimizing light in indoor farming

\$3.6M from the Department of Energy to the lab of GRA
Eminent Scholar Deepak Divan at Georgia Tech

\$3M to Acivilate from local VC investors

*Georgia continues to outpace other southern states in federal research funding:
In FY17, our state ranked first in percentage increase for R&D expenditures (8%).
And Georgia has climbed to no. 11 in the U.S. for R&D. Source: SSTI*



4 companies join GRA Venture Fund

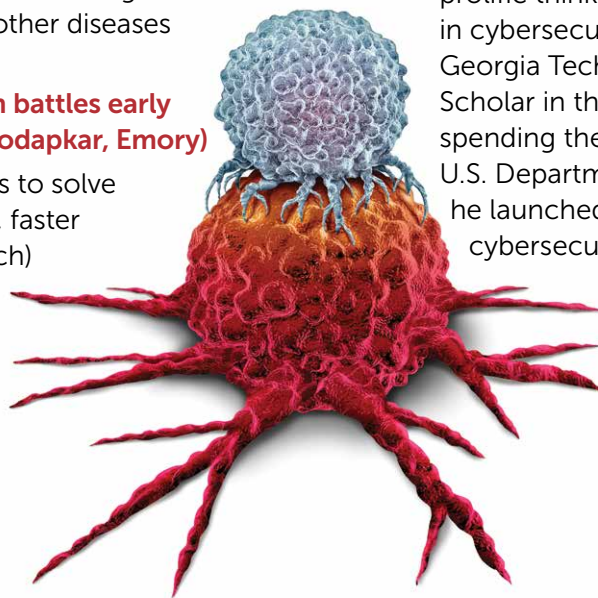
- 1 Accutis: Pharma company targeting niche and underserved diseases
- 2 **Acivilate: Maker of software platform to improve rehabilitation of people convicted of crimes ▼**
- 3 Antios Therapeutics: Drug development company working on a curative regimen for Hepatitis B
- 4 Gimme: Provider of an inventory tracking system for vending machines and micro markets



World-class scientists who moved their **LIFE'S RESEARCH** to our state

Newly recruited GRA Eminent Scholars are experts in:

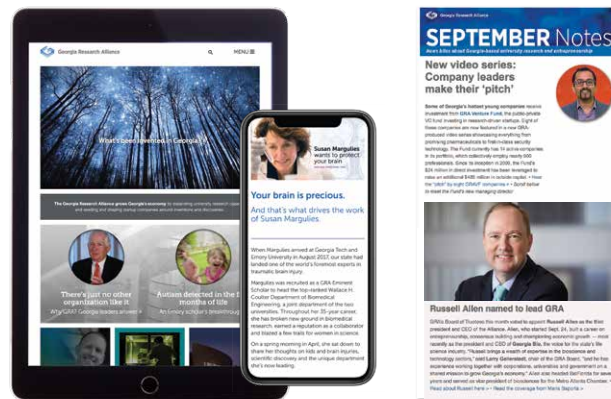
- The inner workings and interactions of bacteria (Marvin Whiteley, Georgia Tech)
- Analyzing incredibly detailed images of the Earth's sub-surface (Felix Herrmann, Georgia Tech)
- Engineering new materials – faster – for energy sustainability (Rampi Ramprasad, Georgia Tech)
- The role and function of natural sugars in Alzheimer's, cancer and other diseases (Gerald Hart, UGA)
- **How the immune system battles early cancer cells (Madhav Dhodapkar, Emory)**
- Using multiple computers to solve more complex problems, faster (Vivek Sarkar, Georgia Tech)
- Combining imaging technologies to gain a clearer picture of the brain (Vince Calhoun, Georgia State, Georgia Tech and Emory)



What will it take to defeat the most sinister cyber threats?

Angelos Keromytis works to answer that question. One of the most prolific thinkers and practitioners in cybersecurity, Keromytis joined Georgia Tech as a GRA Eminent Scholar in the fall. He arrived after spending the last five years with the U.S. Department of Defense, where he launched five major initiatives in cybersecurity. His appointment comes at a time when the State of Georgia is building thought leadership in cyberdefense.

Stay informed about university discovery and entrepreneurship in Georgia!



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