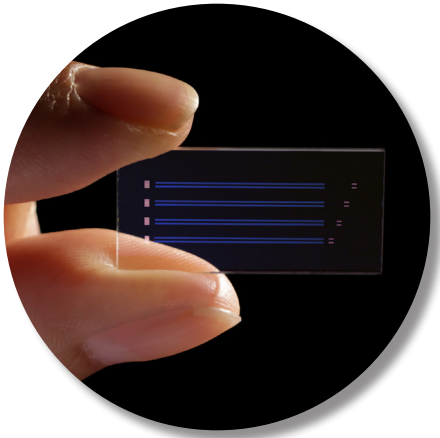




25 Breakthroughs in Georgia



NO. 1:

Sensors that know something's wrong, wherever you are

So much of what can harm us can't be seen by the naked eye. To know that contaminants exist, we usually have to collect samples of material and send them out to be tested.

But scientists at Georgia Tech invented a **sensor that detects chemicals and impurities** immediately — with no outside lab testing needed.

The breakthrough led to the launch of a company called Lumense in 2012. And its potential is extraordinary.

With the Lumense technology, food manufacturers can spot contamination onsite. Poultry producers can detect ammonia levels in their facilities. Even drinking water can be made safer.

All thanks to a tiny sensor – and a big idea.

"25 Breakthroughs in Georgia" celebrates 25 years of the Georgia Research Alliance. GRA expands research and commercialization capacity in Georgia's universities to launch new companies, create high-value jobs and transform lives. More: GRA.org