

HudsonAlpha is a nonprofit research institute dedicated to:

- 1 Applying and creating cutting-edge genomic technologies to answer complex questions across a wide spectrum of life sciences RESEARCH. 
- 2 Preparing the future biotechnology workforce and cultivating GENOMICS KNOWLEDGE for all citizens. 
- 3 Developing the Institute's biotechnology CAMPUS and fostering bio-entrepreneurship to provide competitive advantages. 
- 4 Expanding BIOINFORMATICS AND SEQUENCING SERVICES to impact clinical care and improve life sciences research. 
- 5 Bringing GENOMIC MEDICINE into the routine practice of healthcare to provide the best medical care for patients. 
- 6 Finding partners who SUPPORT our mission to improve life. 

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Missions in Genetics
and Genomics

EDUCATION



CLINICAL GENOMICS



ECONOMIC DEVELOPMENT



RESEARCH

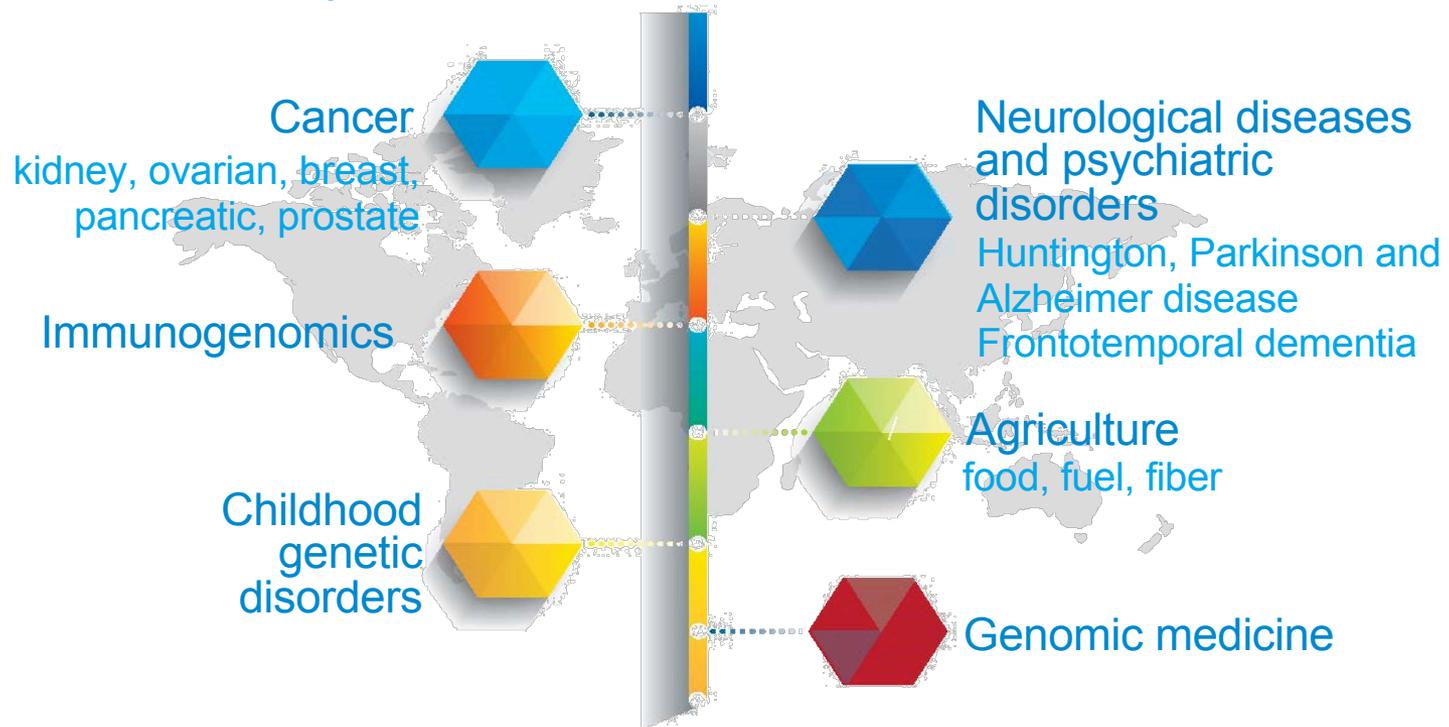
HUDSONALPHA
INSTITUTE FOR BIOTECHNOLOGY

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Research

HudsonAlpha scientists are adding to the world's body of genetic knowledge about the basis of life, health, disease and biodiversity in these key areas:

Key Application Areas at HudsonAlpha



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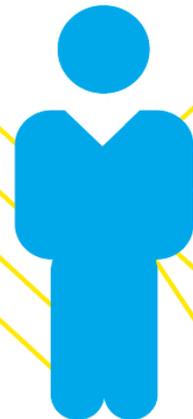
Genomics Education

HudsonAlpha is committed to training the future biotech workforce and cultivating a genomics literate society. HudsonAlpha thought leaders and educators have extended their reach through conferences, programs, modules, materials and digital applications for students, teachers, medical professionals and the public:

HudsonAlpha works to enhance the biotech workforce pipeline

Educational Outreach trains

Students
Educators
Clinical Professionals
Community

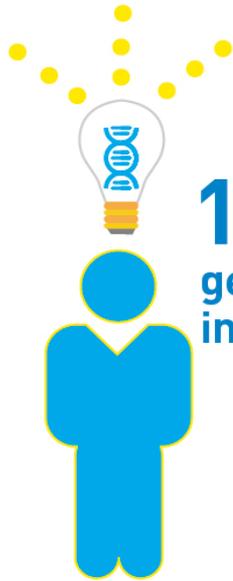


to expand the workforce of

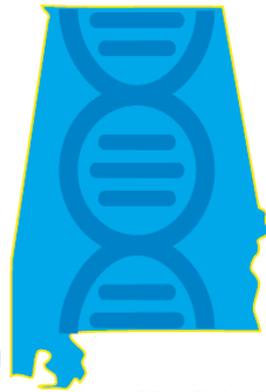
nonprofit research and development
diagnostic and device management
drug discovery
informatics
production
food security and bioenergy

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Educational Outreach



1,037,472
genomics literate
individuals in 2015-2016



85%
of Alabama public high
schools have been reached
since 2008 when HudsonAlpha's doors opened



2,600,000
iCell® downloads in
139 countries
since iCell was
launched in 2010

All 50 states use
HudsonAlpha Kits
since kits have been offered
through Carolina Biological®



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One mission of HudsonAlpha includes a commitment to fostering economic development and bio-entrepreneurship.

Role of the Economic Development Team

- **support** entrepreneurs and start-up companies
- **recruit** life science companies to the biotech campus
- **foster** the existing resident Associate Companies to help them thrive and grow

Economic Development



Eurofins
Clinical Diagnostics



MOLECULAR LOGIC



Sulfatec

*BioDynam*i

enVISION
genomics



m.v.w
Nutritionals, LLC



Celsion
Corporation

Foresight
Biosciences



NOVOCOL

ThermoFisher
SCIENTIFIC

Ploid



CFDRC
Delivering Breakthrough Solutions



TRIDEUM
BIOSCIENCES



icubate

LEAVENDARY

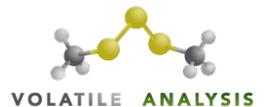


SERINA
THERAPEUTICS, INC.

Ub[∞] Ubiquity
Genomics

conversant bio[™]
Go Further. Faster.

IMIDomics



conceroscientific



Mira Pharmaceuticals

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Economic Impact

- HudsonAlpha began with 5 associate (tenant) companies in 2008 and today there are 35.
- Since 2006, HudsonAlpha has generated more than \$1.3 billion in economic impact for State of Alabama.
- Today, HudsonAlpha (the nonprofit) employs 200 FTEs with significant employment growth is through associate companies that employ an additional 500 FTEs and growing.
- This year, a new study is underway to analyze impact of HudsonAlpha in the region from 2014-2016 available in April 2017 to update the infographic (right).

INNOVATE



23%

ANNUAL **JOB** GROWTH

2014 → 28

OF ASSOCIATE COMPANIES

5 → 2007



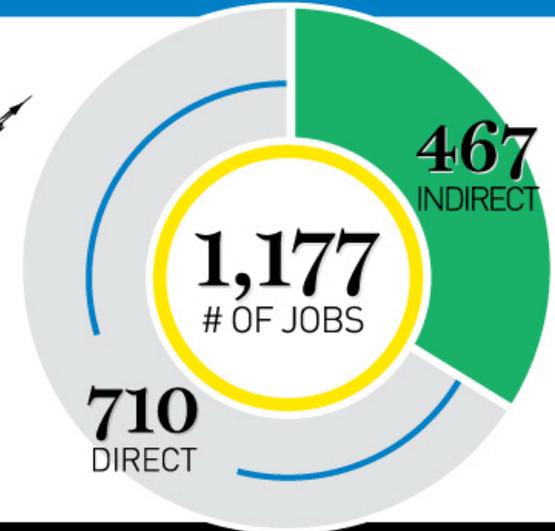
AVERAGE ANNUAL WAGE (DIRECT JOBS)

\$72,917

\$1.3
BILLION

THE VALUE OF HUDSONALPHA
TO THE ALABAMA ECONOMY

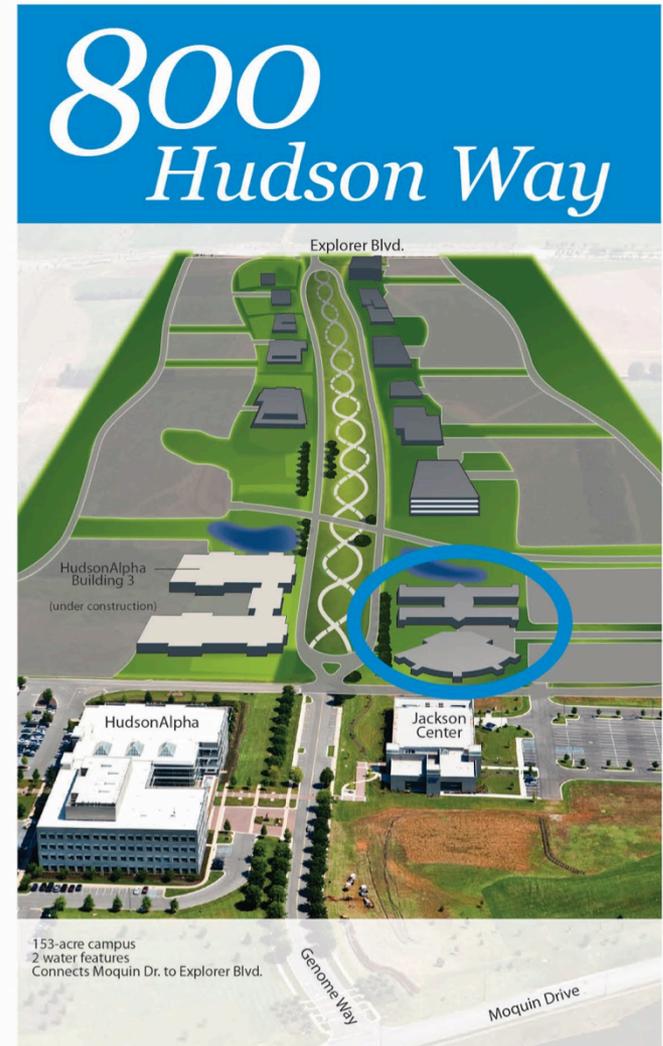
2006-2014



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Current Expansion - Building #4

- 4th building will broke ground in December 2016 with an estimated completion date in 2018.
- 800 Hudson Way will be a 120,000 square-foot facility will house components of the Institute's genomic medicine, informatics, and educational outreach programs.
- It will also offer rental space for new and existing tenants on the for-profit side.



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