



UpstateSCAlliance



1,000+

life science
companies
South Carolina



2,415

manufacturers
Upstate SC



14,256

STEM graduates
Upstate SC, 2023



2.4x

national concentration
for industrial engineers
Upstate SC



#6

for high-tech
job growth
South Carolina



81

people per day
net migration
Upstate SC



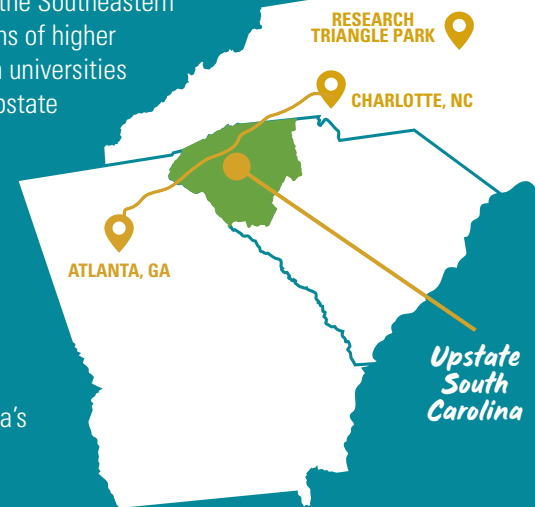
LIFE SCIENCES

Pioneering the future of human health.

Upstate South Carolina connects two of the largest cities in the Southeastern United States: Charlotte and Atlanta. Home to 26+ institutions of higher learning and within 150 miles of leading bioscience research universities such as Duke, University of North Carolina and Emory, the Upstate is a magnet for life science companies.

Here, global leaders like **PAI Pharma** manufacture pharmaceutical products, **Cytiva** is supporting rapid vaccine production through single-use technology, and medical technology companies like **Chartspan** are revolutionizing data management.

Life science is the fastest-growing segment of South Carolina's innovation economy, with industry leaders announcing more than **\$663 million in capital investment and 3,328 jobs** in the Upstate from 2020-2024.



UPSTATE SOUTH CAROLINA: *Life Science Strengths*

DRUGS & PHARMACEUTICALS

BAUSCH + LOMB

cytiva **Lonza** **PAI Pharma**

MEDICAL DEVICES

Abbott



CardinalHealth

Arthrex

DIGITAL HEALTH SOLUTIONS



chartspan

incora



MP Cloud
Technologies™

RESEARCH TESTING & MEDICAL LABS

arcpoint labs
accurate. reliable. confidential testing.



Greenwood
Genetic Center



Kiyatec

FUELING THE CLUSTER

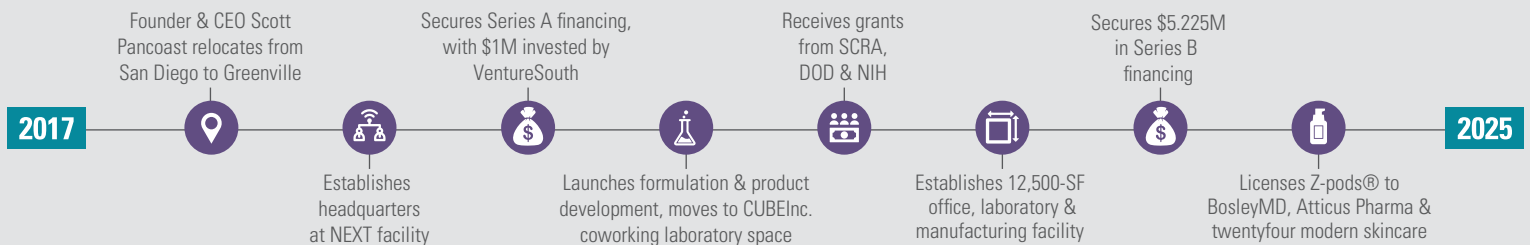
Innovation and R&D

Upstate South Carolina companies are shaping the future of human health, **from genomic breakthroughs at Greenwood Genetic Center to drug efficacy predictions by Kiyatec**. As companies develop and scale new techniques, procedures and applications, the Upstate provides support through research partnerships, wet lab spaces, funding sources, life sciences cluster gatherings and workforce development.



STARTUP SUCCESS: Zylö Therapeutics

Upstate-based Zylö Therapeutics is leading the way with its Z-pods® technology, which provides sustained release for topical delivery with a world of applications. See how the Upstate has supported their growth:



ARTHREX: Workforce Partnerships

Global orthopedic medical device pioneer Arthrex has invested more than \$140 million and is creating 1,500 jobs in the Upstate, and Upstate workforce development partners are applying their formula for success.



TECHNICAL TRAINING

- **readySC** provides hiring & training support
- **Tri-County Technical College** offers degree & non-degree workforce training

Experiential Learning:

- **Machine Tool Technology** program trains students on equipment used in Arthrex's production process
- **Youth Apprenticeship** program builds talent pipeline



UNIVERSITY SUPPORT

- Collaborative research partnership with **Clemson University**
- Partnering on curriculum tailored to surgical device innovation

Certificate Programs:

- Equipping students from any major to work in the orthopedic industry:
- **Sales Innovation** Certificate
- **Orthopedic Medical Device Product Specialist** Certificate

CLEMSON UNIVERSITY BIOENGINEERING by the numbers

201
graduates in 2024

341
Undergraduate students

54
Master's students

102
Doctoral students

RECENT UPSTATE ANNOUNCEMENTS

COMPANY	CAPEX	JOBS
Cytiva (formerly Pall Corporation)	\$163,400,000	775
Health Supply US dba Glove One	\$150,000,000	600
Arthrex	\$100,000,000	500
Lonza	\$53,700,000	30
International Vitamin Corp. (IVC)	\$17,100,000	208
Ortec	\$11,500,000	30
Niagara Pharmaceuticals	\$9,000,000	45
Erchonia Corp.	\$6,700,000	51
Samaritan Biologics	\$5,000,000	85
Xotex Biotechnology Labs	\$4,200,000	34
Luxor Scientific	\$3,589,278	54

DEVELOPING TOMORROW'S TALENT

South Carolina is dedicated to building tomorrow's talent today, from **three R1 universities**, to a **2-year technical SCbio Certificate** with coursework in pharmaceutical and medical device manufacturing, to a **Biosciences Core Skills Institute micro-credential** with 200+ students tested. And **Rad Lab** uses **gamification to reach 7,200+ high-school students**, connecting them life sciences careers and pathways.



UpstateSCAlliance
Business moves here.

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