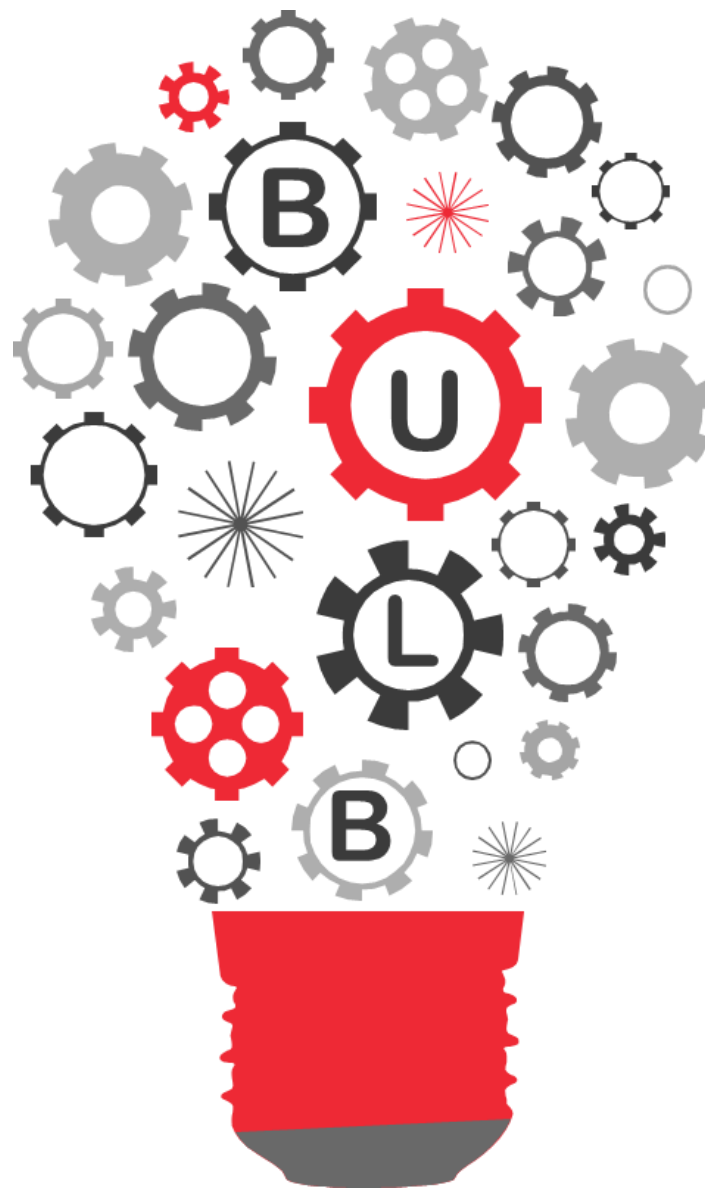


# Community College of Philadelphia Virtual Town Hall: Successes in STEM Education, Research, and Workforce Preparedness

SCIENCE CENTER WORKFORCE  
DEVELOPMENT

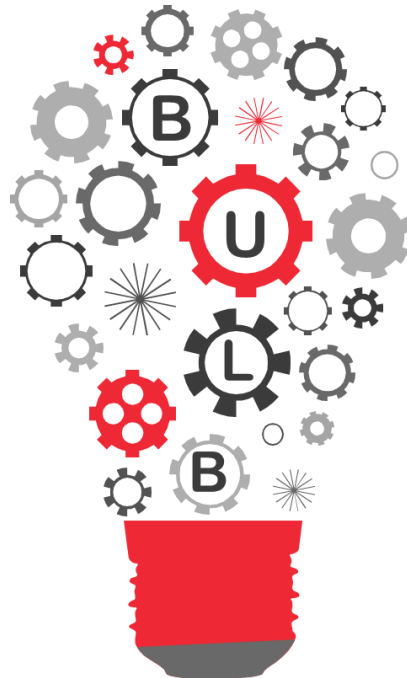


Workforce  
Development





Workforce  
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**Our workforce efforts  
would not be possible  
without our sponsors**

**LENFEST FOUNDATION**

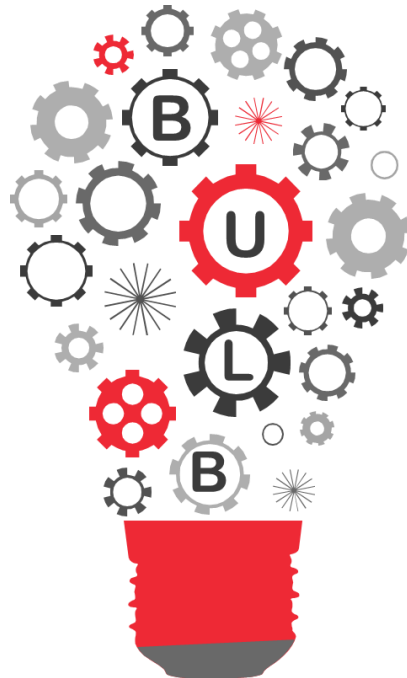
**ECONOMIC DEVELOPMENT  
ADMINISTRATION (EDA)- STEM TALENT  
CHALLENGE GRANT**



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**What is Building and  
Understanding of Lab  
Basics?**

**JOE'NELL  
WILLIAMS**



*Cell and Gene  
Therapy and  
Connected  
Health Needs  
Assessment  
Study*

## Primary Partners involved in study

University City Science Center

Chamber of Commerce- CEO Council for Growth

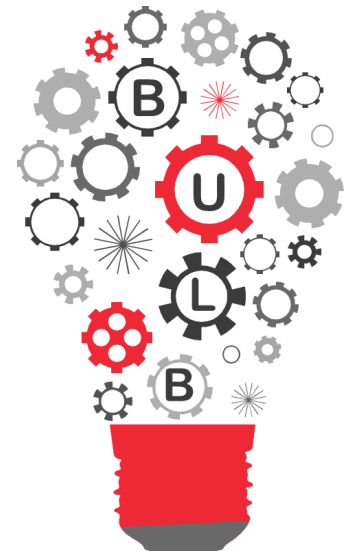
University City District- West Philadelphia Skills Initiative

Econsult Solutions

## Purpose of the Study

<https://econsultsolutions.com/cell-and-gene-therapy-and-connected-health-workforce-analysis/>

Multiple findings related to the growth of jobs on multiple education levels both scientific and non-scientific levels.

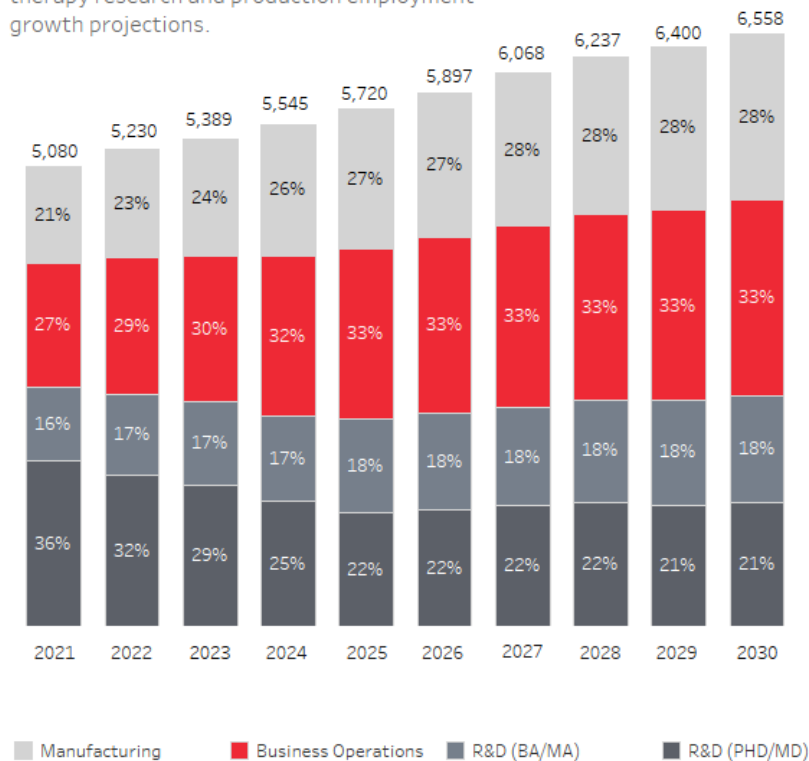


# Cell and Gene Therapy and Connected Health

The **Philadelphia region** continues to grow as a **dominant location** for cell and gene therapy research and production in the U.S. as identified in studies conducted by Econsult Solutions in conjunction with the Science Center and other partners.

This scenario results in a high startup rate, exponential growth for existing companies, and an abundance of firms as well as an accomplished workforce relocating to the region.

The following chart depicts cell and gene therapy research and production employment growth projections.



Source: Econsult Solutions (2019)



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**BUILDING &  
UNDERSTANDING  
LAB  
BASICS**

Why was the growth of Cell and Gene research and production studied?

**Cell and gene therapies** can be described as innovative approaches to medical research and practice in which cell or gene modifications are used to treat disease. **Connected health**, broadly defined, is the application of technology to healthcare.

Together, these two fields hold tremendous promise not just for patients, but for the regional economy as well.

How can **BULB** help meet the growing employment demands?

We are designing our programs to train students on lab skills with the highest demands. These skills include:

- Basic Lab Safety
- Microscopy
- DNA/RNA Isolation
- Gel Electrophoresis..



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# Thank You!

PHILBROOKS

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