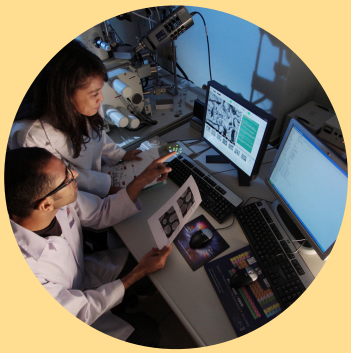
PROPEL The National Center for Precision Medicine

PROPELLING PRECISION MEDICINE WITH EQUITY AND LEADERSHIP

Philadelphia • Wilmington • Camden PA • DE• NJ

We are at a pivotal moment for life sciences in the Greater Philadelphia Region - and we have a once-in-a-lifetime opportunity to expand access to cutting-edge medicine, building pathways to high-quality jobs and careers, and nurturing home-grown tech, PROPEL: The National Center for Precision Medicine is poised to grow our technology ecosystem for the greater good.



What is precision medicine?

Precision medicine considers each person's unique genes, surroundings, and lifestyle when providing critical medical treatment.

What is the PROPEL Tech Hub?

Greater Philadelphia was designated a 'Tech Hub' by the U.S. Economic Development Administration (EDA) in October 2023. With this designation, the EDA endorses our plan to unite institutions, civic organizations, and private enterprises to improve health equity and get new technology into our communities faster. Ben Franklin Technology Partners of Southeastern Pennsylvania-the lead organization of PROPEL, heads a coalition of more than 70 partners working together to deploy RNA-based precision medicine technologies and launch Greater Philadelphia into the future. By leveraging $1 billion in NIH funding, over $1 billion in private sector engagement and $1 billion in venture capital, the PROPEL Tech Hub will harness the power of growing companies who employ more than 7,500 people. This initiative will serve as a force multiplier, uniting partners to enhance public health and stimulate economic growth.

PROPEL is connecting precision medicine to our communities

PROPEL connects manufacturers with workforces, life science assets with one another, and precision medicine to the people in our communities.

PROPEL's Steering Committee

Ben Franklin Technology PArtners
Southeastern Pennsylvania
(Lead Organization)

Tech Council of Delaware
Virtua Health
Delaware Innovation Space
HSX
NIMBL
Philadelphia Works
Drexel University
Penn University of Pennsylvania
University of Delaware
The Chamber of Commerce for Greater Philadelphia
Institute for RNA Innovation

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PROPEL's Mission:

- Create a centralized agency to develop a skilled workforce that meets employer needs.
- Connect with schools and training programs to build a pipeline to prepare workers in the region and keep them here long-term.
- Accelerate development, testing and commercialization of precision medicines by developing advanced manufacturing technologies
- Create a single network for research, data sharing, and regional clinical trials to get innovations to market faster, while assuring successful deployment
- Facilitate collaboration across the region by creating charters for the Hub, developing shared goals and forming a non-profit organization dedicated to growing the partnership.

What do these advances have in common? They were all created, developed, and deployed in the Greater Philadelphia Region

Late 1990s: University of Pennsylvania lays groundwork for mRNA-based vaccine technologies
2012: University of Pennsylvania uses CAR-T therapy to cure childhood leukemia
2017: Spark Therapeutics receives first FDA approval for gene therapy
2022: Temple University trials use CRISPR technology for HIV cure
2023: Wistar/UPenn scientists pioneer universal blood cancer immunotherapy
2024: Children's Hospital of Philadelphia cures childhood deafness through gene therapy
2024: Iovance Biotherapeutics' cell therapy for metastatic melanoma approved by FDA.

YOU are part of this project, too. We are counting on people like you to get involved, stay engaged, and cheer each other on. Join our mailing list for updates and information on how you can follow along and support.

sep.benfranklin.org/partner/propel/