

FLC NATIONAL MEETING

Accelerating Innovation for Economic Impact

Rockville, MD • April 21 - 23, 2014

Working with the FLC BioHealth Innovation, Inc.



Rich Bendis President & CEO BioHealth Innovation 4/23/2014

State of Maryland: Federal & University Resources

- Population: 5.9 million people
- 59 Federal Laboratories, Centers, & Institutes in Maryland
- Maryland Federal R&D investment exceeding \$12 billion annually



JHU and USM represent another \$3.5 billion in annual R&D





BioHealth Regional Innovation Cluster Assets



BioHealth Innovation is an Innovation Intermediary

BioHealth Innovation is a Central Maryland innovation intermediary that connects market relevant research assets to appropriate funding, management and global markets to facilitate the development of commercially viable biohealth products and companies.

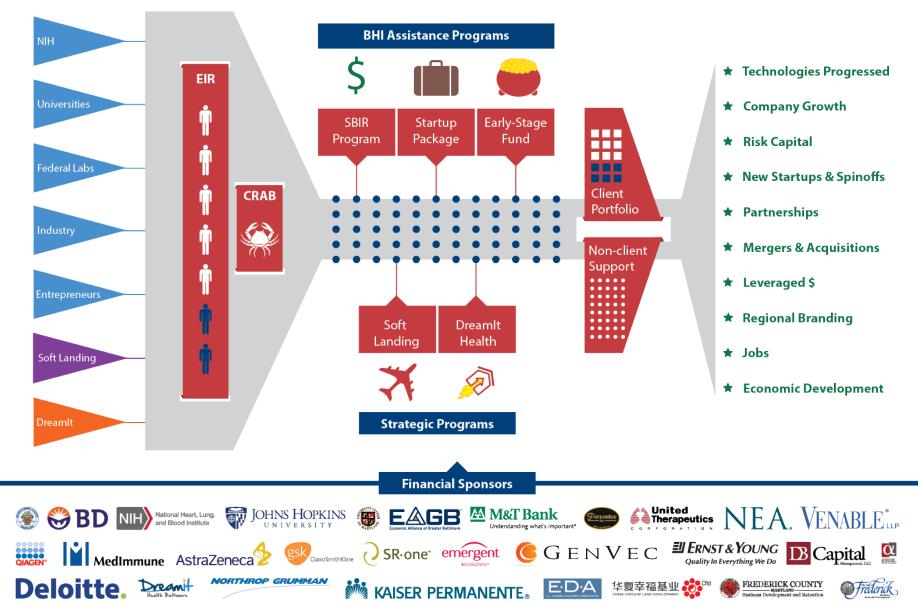


- Regionally-oriented
- Innovation accelerator
- Private-public partnership, 501(c)(3) nonprofit
- Market-driven, private sectorled and funded
- Neither a government initiative, nor a membership organization

SOURCES

BHI Program Structure

OUTCOMES



Partnership Intermediary Agreement



National Institutes of Health Office of Intramural Research Office of Technology Transfer

PIA between BHI and NIH's Office of Technology Transfer (OTT) that supports the 27 NIH institutes' \$3 billion intramural research and the Food and Drug Administration to promote and foster cooperative research and accelerate technology commercialization among NIH/FDA, businesses, and universities.

BHI Entrepreneur-in-Residence Program

A team leader who combines scientific, financial/VC and entrepreneurial management experience to:

- Perform due diligence
- Develop biohealth project-focused companies

Proactively identifies and commercializes **marketrelevant** intellectual properties from:

- Federal Labs
- Universities
- Private Sector





Todd Chappell NIH-OTT

Ken Malone University System of Maryland



Ram Aiyar NHLBI



Richard Moore BD Diagnostics

	4 EIRs	₽₽₽	9 Current Clients	Future
1417840NIHIndustryUniversityTechnology Reviews Conducted	1 CFLD Chinese- American EIR	华夏幸福基业 😥 Саки на сили на Сили на сили на с	3 Pending Clients 4 Potential New Clients	 Grow portfolio to 15 Add 2 new EIRs Create 5 spinouts or tech placements Develop educational programs Two funding or partnering deals Client Progression

2014 Status

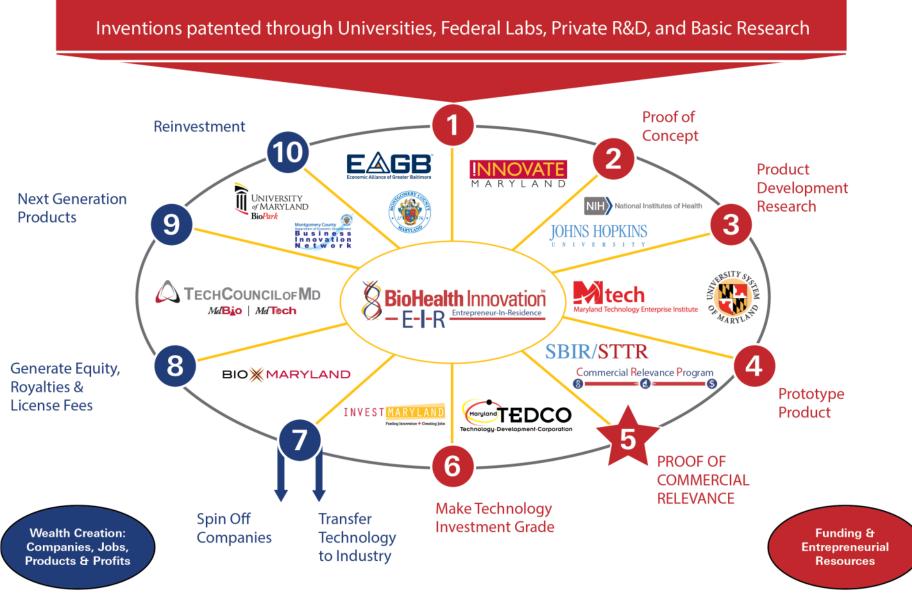
BHI Client Companies

BeneVir	Developing a therapeutic platform that can be adapted to target a wide variety of cancers.	Moco-based Startup
THE organ-on-a-chip company	Developing and marketing Organ-on-a-Chip solutions for the pharmaceutical industry.	US-based Subsidiary of Dutch Company
Mehr Medical	Developing devices for cardiovascular procedures that will solve high unmet needs in the transcatheter valve replacement space.	NHLBI
MockV	Developing novel viral clearance kits to be utilized during process development bio therapeutics.	Moco-based Startup
N5 Sensors, Inc.	Developing sensors that can detect harmful chemicals mixed in air in very small quantities, such as industrial chemicals, and other pollutants.	Licensee of UMCP and NIST
PERCEPTIVE NAVIGATION	Developing medical devices related to image-guided, minimally-invasive niche markets.	JHU
VLP Therapeutics	Developing a platform vaccine like particle technology that has the potential to be used for various diseases including cancer.	NIH
Speed	Speed Biosystems, Inc. is developing novel immunotoxins for the treatment of solid and liquid tumors.	Moco-based Startup
Strand Life Sciences Agorithms for Life	India-based molecular information company with multiple powerful bioinformatics platforms.	India

BHI Startup Package



BHI Commercialization Model



BHI Innovation Capital Map



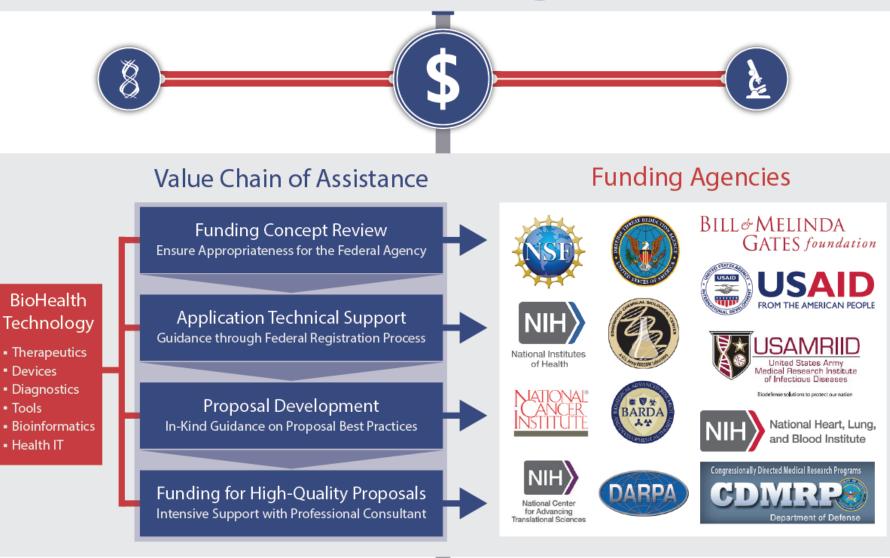
Small Business Innovation Research (SBIR) Grant

- \$2.5 billion annual United States Government program coordinated by the Small Business
- Administration provides grants or contracts to small businesses to spur technological innovation
- Grants awarded in 3 phases between \$100,000 and \$1.5 million
- Non-dilutive



SMALL BUSINESS INNOVATION RESEARCH SMALL BUSINESS TECHNOLOGY TRANSFER

BHI Federal Funding Assistance





- A Health IT Accelerator is an intensive 16 week program that admits toprecruited companies and entrepreneurs, provides a curriculum and network of experienced mentors in business, marketing and product development in the Health IT arena to "accelerate" top companies.
- Retain promising high growth HIT entrepreneurs in MD
- Partners:
 - BioHealth Innovation, Inc.
 - Johns Hopkins University
 - DreamIt Ventures
 - Economic Alliance of Greater Baltimore
 - Northrop Grumman
 - Kaiser Permanente
 - DBED

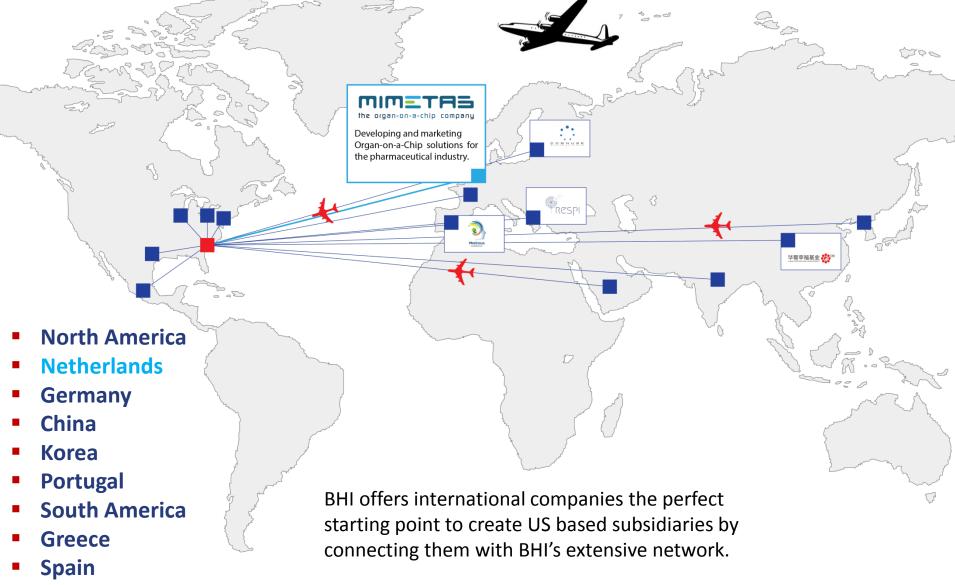


DreamIt Accelerator Companies

Aegle	Wearable biometric devices	Baltimore, MD
Avhana ⁺	Clinical Decision Support	Baltimore, MD
C O G N U S E	Mobile Cognitive Rehabilitation	Talinn, Estonia
emocha	Mobile Information Platform	Baltimore, MD
Protenus	Protecting Patient Data	Baltimore, MD
Respi	Augmented Reality Treatment	Athens, Greece
saving time. saving lives.	Inpatient Care Collaboration	Pittsburgh, PA
Phobious Providence	Augmented Reality Treatment	Barcelona, Spain
THE SMARTPHONE PHYSICAL	Digital Workflow Management	Baltimore, MD

JHU Affiliated

BHI International Soft Landing



Estonia

Contact

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