



# Life Science Advisory Board

# **Rich Bendis**

President & CEO, BioHealth Innovation Inc. 10/28/2014 Baltimore

## **BioHealth Innovation is an Innovation Intermediary**

An private-public partnership, serving as an innovation intermediary in Central Maryland with a mission to:

- Advance local technologies, assets and resources
- Accelerate innovation



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

©2014 BioHealth Innovation, Inc.

### **BHI Board of Directors**



Daniel J. Abdun-Nabi

CEO, Emergent BioSolutions



Judith Dunn

Roche

VP, Global Head of Clinical Dev.



Douglas Liu

Senior VP of GO Qiagen



Michael J. Baader, Esq.

General Counsel Greenspring Associates



Jens Eckstein

President SR One (GSK)



Charles Morton

Partner Venable LLP



Richard A. Bendis

President & CEO BioHealth Innovation, Inc.



David M. Gillece (Secretary)

Regional Managing Principal Cassidy Turley



David Mott

General Partner New Enterprise Associates



Kenneth Carter

Chair Noble Life Sciences



Rick Ivey

Vice President R&D **BD Diagnostics** 



John A. Sackett

President Shady Grove Adventist Hospital



Dave Lemus

CEO

Sigma-Tau Pharmaceuticals



Joel Marcus

CFO & Founder

Alexandria Real Estate



J. Thomas Sadowski

President & CEO

EAGB



Chris Callaghan

Group VP, Healthcare Banking

M&T Bank



**Beth Meagher** 

Principal

Deloitte Consulting LLP



Reginald Seeto

VP, Partnering and Strategy Medlmmune



Ronald J. Daniels

President

Johns Hopkins University



William F. Kirwan

Chancellor

University System of MD



AstraZeneca

Thomas Street

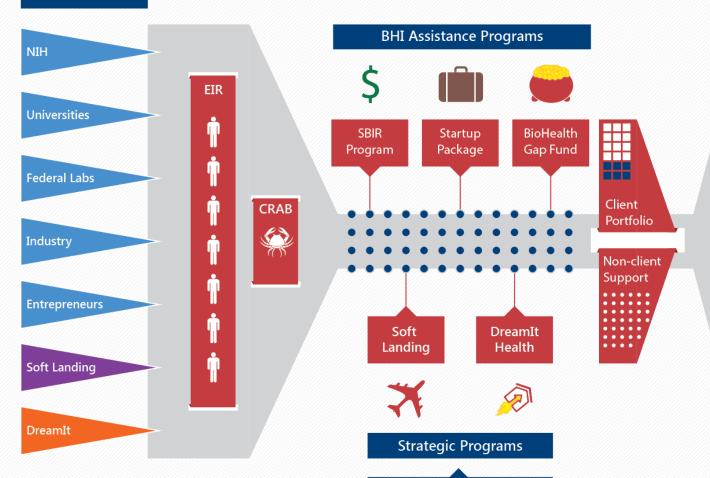
ACAO

MoCo Government

## **BHI Program Structure**

#### **SOURCES**

#### **OUTCOMES**



- **★** Technologies Progressed
- **★** Company Growth
- \* Risk Capital
- **★** New Startups & Spinoffs
- **★** Partnerships
- **★** Mergers & Acquisitions
- ★ Leveraged \$
- \* Regional Branding
- ★ Jobs
- **★** Economic Development

#### **Financial Sponsors**





EAGB









Adventist

HealthCare







M&T Bank

























emergent







# Who are the Entrepreneurs-in-Residence?



#### **Todd Chappell (NIH-OTT)**

Todd assists the Office of Technology Transfer (OTT) in the evaluation of existing technologies, provide an entrepreneurial perspective on new licensing proposals from start-up companies, advise on opportunities for new ventures, assist with developmental strategies, and mentor scientists to help ensure their research becomes commercially valuable.



#### **Ken Malone (UM Ventures)**

Ken has built his career on creating economic value from science. Whether it was developing new business lines for global corporations or spinning out new ventures from universities, he has engaged in the commercialization of hundreds of new products in advanced materials and life sciences.



#### Ram Aiyar (NHLBI)

Ram assists the National Heart Lung and Blood Institute (NHLBI) in translating disruptive science into commercially viable technologies. He works with the relevant stakeholders within the NIH to develop commercial plans and/or develop licensing opportunities such that the NIH technologies can be translated into commercially viable entities that will solve unmet medical needs of patients.



#### **Tania Fernandez (BHI Financial Advisor)**

Tania Fernandez has ten years of experience as a venture capitalist with Burrill & Company and 16 years of experience in the life sciences/biotech industry with the ability to successfully identify and assess promising scientific technologies/products and business models for venture investments across the sectors of therapeutics, diagnostics, next gen sequencing and healthcare delivery.

## **Pending:**

NHLBI #2 NIAID NINDS USDA Agricultural Research Service

©2014 BioHealth Innovation, Inc.

# **Partnership Intermediary Agreements**



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.

6

## **BHI Client Companies**

Ram Aiyar | NYU

Todd Chappell | NIH

Todd Chappell | NIAID

Todd, Tania, Rich | MoCo Entrepreneur

**Therapeutic** 









Todd | JHU

Ram | NY

Todd | Physician \*

**Medical Device** 



**Intravenous Solutions** 

**Sinus Bath** 

Ethan Byler | India

Ethan | SG Incubator \*

Personalized Medicine





Ken Malone | JHU

Ethan | UMCP \*

Ken | Baltimore Entrepreneur

Health IT / IT







**Todd | Netherlands** 

Todd | HGS Entrepreneur

Todd | India \*

**R&D Tool** 





НерТох

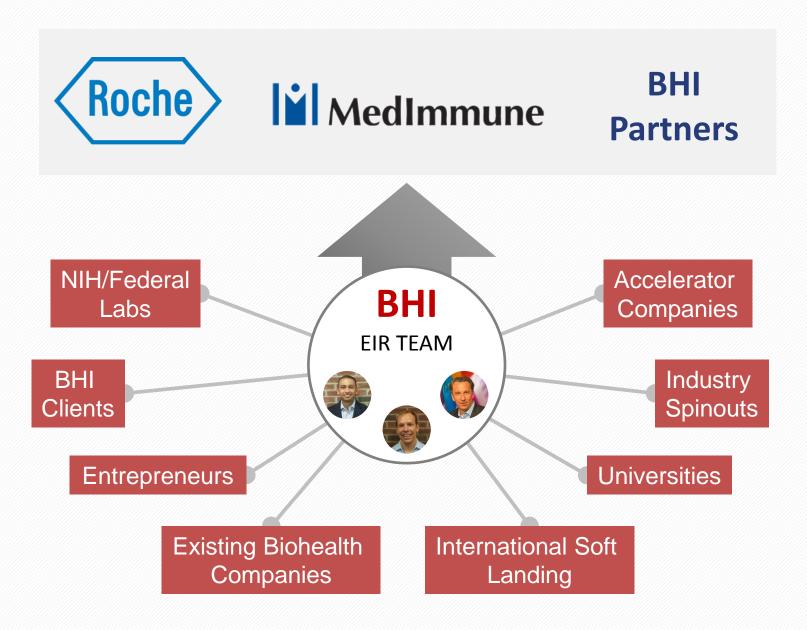
Ken | UMCP

Occupational Safety and Health



\* Pending

# **BHI Scouting**



## **USM EIR Activities and Outcomes**

- Provide all Maryland based biohealth related start-ups that have licensed technologies from USM with strategic business and networking assistance
- Partnered with N5 Sensors, Inc. (College Park) to successfully secure multiple SBIRs, investors and develop strategic partnerships, and became a BHI client company
- Through teaching a life science entrepreneurship course to graduate students, a new business was formed and another is in formation
- Analysis of commercial opportunities in the Center for Stem Cell Biology and Regenerative Medicine
- Portfolio analysis of the Center for Biomolecular Therapeutics 75 targets has identified 5 key assets for further IP development
- Evaluating multiple business development opportunities under scouting collaboration agreement with Roche

## **NIH Activities and Outcomes**

- Three Entrepreneurs-in-Residence established at NIH OTT and NHLBI in 2014
- Recruiting 3 additional EIRs for 2015 at NHLBI, NIAID, and NINDS
- Evaluated over 175 technologies for their commercial relevance
- 6 license applications have been submitted; 3 licenses have been awarded (3 pending)
- Multiple private sector partnerships forged with the NHLBI National Centers for Accelerated Innovation program
- Working with BHI clients whose IP originated within NIH
- Evaluating multiple business development opportunities under scouting collaboration agreement with Roche

©2014 BioHealth Innovation, Inc.

# **BHI: The Triple Bottom Line**

**Grows** high-paying jobs and businesses

**Expands tax base; improves economic vitality** 

...and benefits human health!