

AGREEMENT

between the Department of Defense of the United States of America and the Ministry of Health of Ukraine Concerning Cooperation in the Area of Prevention of Proliferation of Technology, Pathogens and Expertise that could be Used in the Development of Biological Weapons

The Department of Defense of the United States of America ("U.S. Department of Defense") and the Ministry of Health of Ukraine, hereinafter referred to jointly as the Parties,

desiring to implement the Agreement between the United States of America and Ukraine Concerning Assistance to Ukraine in the Elimination of Strategic Nuclear Arms, and the Prevention of Proliferation of Weapons of Mass Destruction, signed October 25, 1993, as extended and amended (hereinafter the Umbrella Agreement), as it pertains to the prevention of proliferation of technology, pathogens and expertise that could be used in the development of biological weapons,

recognizing the existing cooperation between the Science and Technology Center Ukraine and the Lviv Scientific Research Institute of Epidemiology and Hygiene, and

noting that pursuant to Article II of the Umbrella Agreement, the Ministry of Health of Ukraine has been designated by the Government of Ukraine (Cabinet of Ministers) as the executive agent to implement this Agreement,

HAVE AGREED AS FOLLOWS:

Article I

1. In order to assist Ukraine in preventing the proliferation of technology, pathogens, and expertise that are located at the Scientific Research Institute of Epidemiology and Hygiene (Lviv), the Ukrainian Scientific Research Anti-Plague




Contacts



Job Depart... ▾


🔍 Search Contacts...

Edward Rubin 
Former Chief Scientific Officer Presently
Consultant
Executive
Medical & Science

📞 1 phone number found

⚡ VIEW




Nathan Wolfe 
Founder & Chairman of the Board
Executive
Management

✉ 1 email found
📞 1 phone number found

⚡ VIEW




Nathan Wolfe 
Founder & Chairman of the Board
Executive
Management

✉ 1 email found

⚡ VIEW



Nita Madhav 
Chief Executive Officer, President, and Board
Member
Executive
Management

✉ 1 email found
📞 2 phone numbers found

⚡ VIEW





Investors



Number of Lead Investors

1

Number of Investors

19

Metabiota is funded by 19 investors. In-Q-Tel and Pilot Growth Equity are the most recent investors.



Which investors participated in the most funding rounds?

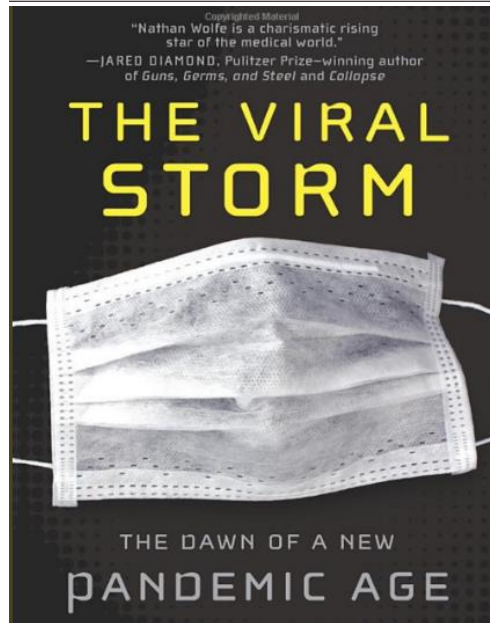


SHOW

Investor Name	Lead Investor	Funding Round	Partners
In-Q-Tel	—	Series B - Metabiota	—
Pilot Growth Equity	Yes	Series B - Metabiota	John DeLoche
SharesPost Investment Management	No	Series B - Metabiota	Sven Weber
Industry Ventures	—	Series B - Metabiota	—

Global Viral (GV), previously known as **Global Viral Forecasting Institute** (GVFI),^[1] is a 501(c)(3) not-for-profit organization founded in 2007 by Nathan Wolfe^[2] to study **infectious diseases**, their transmission between animals and humans, and the risk involved with their global spread. An original goal of the organization was to develop an early warning system for **pandemics**^[3]^[4] and at one point Global Viral coordinated a staff of over 100 scientists in China, Cameroon, Equatorial Guinea, DR Congo, Republic of the Congo, Laos, Gabon, Central African Republic, Malaysia, Madagascar and Sao Tome.^[citation needed]

However, as of 2019 the organization has "shifted" these areas of research to **Metabiota**, an independent for-profit company that focuses on risk analysis of pandemics.^[5] GV appears to have "now focus[ed] its research on studying the diversity, ecology and evolution of microbes".



I thank my father, Chuck Wolfe, mother, Carol Wittenberg, and sister, Julie Hirsch, and their families for always encouraging my love of science and standing decidedly by me despite my years of travel and absence, and my sweet grandmother, Ann Sloman, who has supported her grandson despite the fact that he didn't want to become a "doctor." I am privileged to have loyal and generous friends who have kindly contributed their valuable time and unique skills to my work, including Zack Bogue, Sebastian Buckup, June Cohen, Tom DeRosa, Jeffrey Epstein, Sanjay Gupta, Erez Kalir, John Kelley, Nina Khosla, Larry Kirshbaum, Boris Nikolic, Sally O'Brien, Sarah Schlesinger, Narry Singh, Linda Stone, and Riaz Valani. Last, but certainly not least, I would like to thank Lauren Gunderson, my thoughtful, wonderful reader, editor, and partner who kept me going throughout.

Detecting diseases earlier

Genetic detection filters viral information in DNA to uncover deadly new pathogens, and digital detection mines online data to reveal early signals of possible epidemics. "We want to stop viruses dead in their tracks – their animal tracks – before they jump to humans," noted Dr. Mark Smolinski, Google.org's Threat Detective.

Global Viral Forecasting Initiative (GVFI) – \$5.5 million multi-year grant (with equal funding from the Skoll Foundation) to support the collection and analysis of blood samples of humans and animals in hot spots within Cameroon, Democratic Republic of Congo, China, Malaysia, Lao PDR and Madagascar. The GVFI team, headed by Dr. Nathan Wolfe, has demonstrated that potentially pathogenic animal viruses jump more frequently to humans than previously believed and will work to detect early evidence of future pandemics. For more information, please visit gvfi.org/index.html.

Dr. Wolfe spent over eight years conducting biomedical research in both **sub-Saharan Africa** and Southeast Asia. He is also the founder of **Metabiota**, which offers both governmental and corporate services for biological threat evaluation and management. He serves on the editorial board of *EcoHealth* and *Scientific American* and is a member of DARPA's Defense Science Research Council. His laboratory was among the first to discover and describe the **Simian foamy virus**.^[2]

In March 2020, NBC Science Contributor Dr. Joseph Fair called for the Trump administration to “[stop blaming China](#)” for the outbreak of the virus, despite mounting evidence – even at the time – that China was hiding information and data, and silencing whistleblowers.

Dr. Fair equated the lab leak theory – [now increasingly mainstream](#) – as a “[conspiracy](#).”

Fair spoke at the Wuhan Institute of Virology (WIV) in [2013](#), [The National Pulse](#) can reveal.

“During the visit, he attended “Ge Hong Elite Forum” and gave an excellent academic report named “Biosafety Level 4 Containment Research and Recombinant Biology: How advances in molecular biology can advance in-vitro product design”. Many teachers and students, including Director Chen Xinwen and researchers such as Hu Zhihong and Wei Hongping, listened to the report,” a summary [notes](#).

“[Dr. Joseph Fair is now engaged in the rapid diagnosis work of virulent viruses for GVFI](#) and looks forward to cooperating with the Institute in the relevant research field in future,” the description adds.

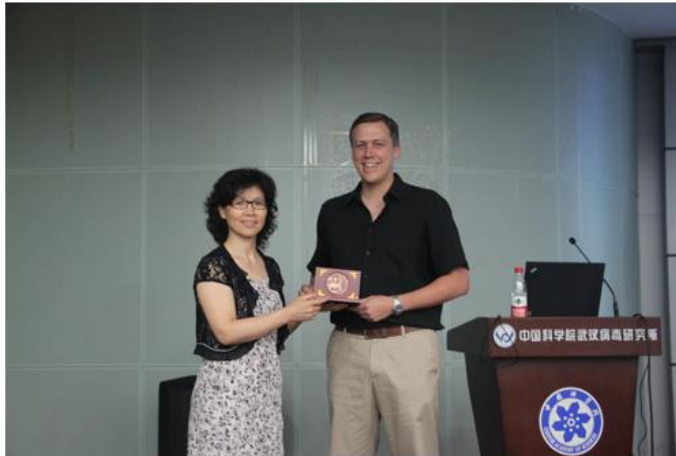
GVFI's Vice President Dr. Joseph Fair visited Wuhan Institute of Virology

Date: 24-06-2013 | [【Print】](#) [【close】](#)

On June 3, Dr. Joseph Fair, vice president of the USA Global Viral Forecasting Initiative (GVFI), paid a one-day academic visit to Wuhan Institute of Virology at the invitation of Shi Zhengli, researcher of the Institute. During the visit, he attended "Ge Hong Elite Forum" and gave an excellent academic report named "Biosafety Level 4 Containment Research and Recombinant Biology: How advances in molecular biology can advance in-vitro product design". Many teachers and students, including Director Chen Xinwen and researchers such as Hu Zhihong and Wei Hongping, listened to the report.

In his report, Dr. Joseph Fair introduced the USA GVFI briefly at first. Taking Lassa fever as an example, he then explained its transmission route and the challenges met in rapid diagnosis. Finally, with detailed and authentic data, he showed that the ELISA technology created by his laboratory using recombinant technologies was more convenient, rapid, and accurate than traditional PCR for the rapid diagnosis of Lassa. The technical solution of using recombinant technologies to express albumen and peptide fragment in different carrier systems adopted by Dr. Joseph Fair, presented a promising future with large demands and safety production for candidate vaccine. At the same time, it provided reference for the rapid diagnosis research of other biosafety level-4 viruses.

Dr. Joseph Fair is now engaged in the rapid diagnosis work of virulent viruses for GVFI and looks forward to have cooperations with the Institute in the relevant research field in future.



There is pressure on Wolfe to deliver much more. Only \$5 million of the \$11 million from Google.org and the Skoll Foundation came up front and the group is eligible for another \$1 million every six months — if they earn it. They earned the first \$1 million by collecting nearly 10,000 new samples and enrolling around 900 people in their studies in Asia. Rijsberman, who now sits on the GVFI board, helped the team to establish goals they call "scientific home runs": the origin of a major infectious disease or the identification of a new pathogenic virus circulating in human populations. With each home run, the group earns another \$1 million. The group has submitted the malaria work to the Google.org board and hopes to hear in the next few weeks if it qualifies as their first home run.

2. DARPA - In-Q-Tel

Background with surprising detail

en.wikipedia.org/wiki/In-Q-Tel

More

[apps.dtic.mil/dtic/tr/fullte...](https://apps.dtic.mil/dtic/tr/fulltext)

BOD & Executives

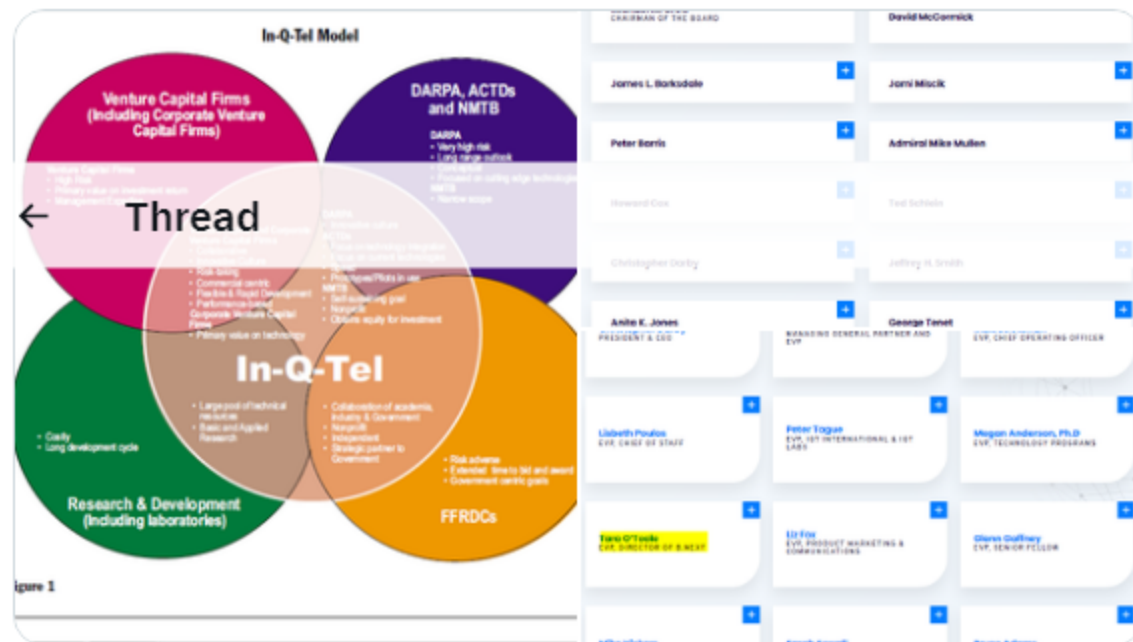
iqt.org/about-iqt/

Note George Tenet & Tara O'Toole - (Anthrax/Biodefense)

wikispooks.com/wiki/Document:...

and

wallofcontroversy.wordpress.com/tag/event-201/



2019

is the year of alignment | Insurance Business America (insurancebusinessmag.com)

[The CIA's In-Q-Tel Model Its Applicability \(dtic.mil\)](https://www.dtic.mil/docs/publications/In-Q-Tel-Model-Its-Applicability)

[About IQT - In-Q-Tel](https://www.dtic.mil/docs/publications/About-IQT-In-Q-Tel)

[In-Q-Tel - Wikipedia](https://en.wikipedia.org/wiki/In-Q-Tel)

[Document:All Roads Lead to Dark Winter - Wikispooks](https://wikispooks.com/wiki/Document:All_Roads_Lead_to_Dark_Winter) (THIS IS HUGE)

[Event 201 | wall of controversy \(wordpress.com\)](https://wallofcontroversy.wordpress.com/tag/event-201/)

[2018 Innovation Awards: PathogenRX | Business Insurance](https://businessinsurance.com/news/2018-innovation-awards-pathogenrx) (Shows they were modelling fear and public reaction/behaviour if pandemic broke out Metabiota*)

[Metabiota Gains Government Momentum with Black & Veatch Sub-Contracts for Defense Threat Reduction Programs \(prweb.com\)](https://prweb.com/news/metabiota-gains-government-momentum-with-black-veatch-sub-contracts-for-defense-threat-reduction-programs)



This is a transformative time for the insurance industry as it approaches the next phase of innovation to meet the evolving needs of the market. To help corporate risk managers and decision makers better understand the best ways to stay ahead of these changes, a collection of industry experts and advisory board members to Metabiota, the provider of epidemic risk modeling, is sharing top insights for 2019 and how companies can prepare and capitalize on the biggest opportunities.

In the first of three guest posts, Gretchen Hayes, Metabiota

Full article at [2019 is the year of alignment | Insurance Business America \(insurancebusinessmag.com\)](https://insurancebusinessmag.com/2019-is-the-year-of-alignment/)

1. CIA-In Q Tel-Metabiota-DTRA-Ecohealth-DARPA
 Accelerating the Acquisition and Implementation of New Technologies
 for Intelligence:
 The Report of the Independent Panel on the Central Intelligence Agency
 In-Q-Tel Venture
[bens.org/document.doc?i...](https://www.bens.org/document.doc?i...)

In-Q-Tel SAVE

Investments People Techno

About

In-Q-Tel identifies and partners with companies developing cutting-edge technologies to help deliver these solutions to the Central

Arlington, Virginia, United States

101-250

Government Office

Debt, Early Stage Venture, Grant, Late Stage Venture, Seed

Metabiota... SAVE

People Technology Signals & I

Number of Lead Investors	Number of Investors
1	19

Metabiota is funded by 19 investors. In-Q-Tel and Pilot Growth Equity are the most recent investors.

Which investors participated in the most funding rounds? SHOW

More sources connecting Global Viral Project to Metabiota:

[Programs | globalviral](#)

[Biography \(uh.edu\)](#) (shows who Nathan got funding from including Merck)

Global patterns in coronavirus diversity

Simon J. Anthony , Christine K. Johnson, Denise J. Greig, Sarah Kramer, Xiaoyu Che, Heather Wells, Allison L. Hicks, Damien O. Joly, [Nathan D. Wolfe](#), [Peter Daszak](#) ... [Show more](#)

Virus Evolution, Volume 3, Issue 1, January 2017, vex012,
<https://doi.org/10.1093/ve/vex012>

Published: 12 June 2017

