



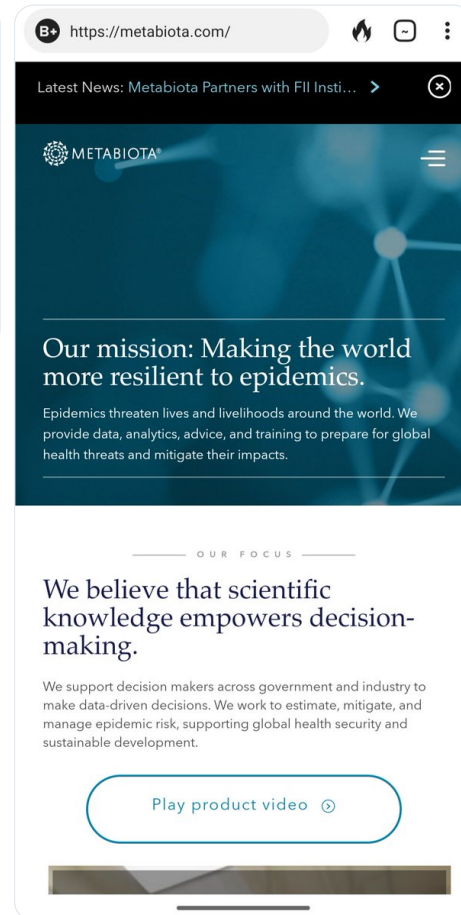
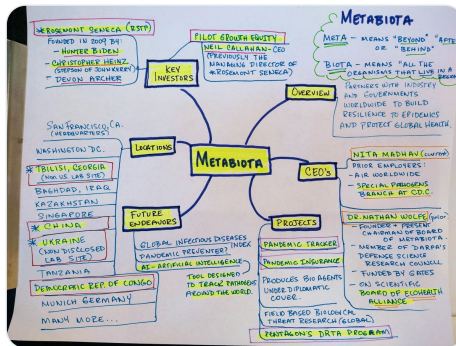
Blue Canaries @CanariesBlue

Oct 17, 2021 · 24 tweets · [CanariesBlue/status/1449865871577554948](https://twitter.com/CanariesBlue/status/1449865871577554948)




1. Metabiota (thread) - produces bio agents under diplomatic cover at "secret" labs, then sells pandemic insurance and trackers to help countries get ahead of what they are putting out.

Company part of Pentagon's DRTA Program as well as funded by Rosemont Seneca (Hunter Biden)



2. Metabiota partners with industry and governments worldwide to build resilience to epidemics and protect global health.



## A Solution to the Problem


Metabiota partners with governments and industry worldwide to identify infectious disease risks, minimize the effects of outbreaks and contain the economic impact of epidemics.

Our modeling platform generates real-world outbreak scenarios from global reference and customer data. Included in this proprietary data set:

- More than 1,200 outbreaks covering 100 years of historical events;
- Over 48 million cases and 6 million deaths;
- Over 150 pathogens;
- More than 240 data sources and 230 countries and territories.

This unique data set drives a peer-reviewed and validated disease model library that features 20 million stochastic realizations with weekly resolution.

The Metabiota modeling framework includes: a disease spread model, event catalog, and risk analytics solution. This framework, combined with Metabiota's consultative and agile approach, allows organizations to develop a new view of their risk and monitoring tools that can help provide an early warning system for the potential impact of epidemics.




## The Metabiota Offering

Metabiota's analytics platform has been well-received in the global (re)insurance market, as well as in the governmental technology and intelligence communities. We provide a significantly differentiated epidemic offering in terms of scope, granularity and transparency.

In addition to modeling a company's potential loss (frequency, severity and on a scenario basis), our offering is designed to help the insurance industry in the following ways:

Life (re)Insurance companies:

- Prepare for a capital event and mitigate the potential for significant losses from pandemics;
- Manage earnings events that occur from the volatility of outbreaks and small epidemics, thereby ensuring stable earnings;
- Quantify exposure to potential losses from large global health events, to more precisely articulate them to key stakeholders (e.g. Boards, investors/shareholders, rating agencies, and regulatory bodies).

Property & Casualty (re)Insurance companies:

- Quantify risk from infectious disease outbreaks;
- Create novel product offerings to address the infectious disease coverage gap including non-physical damage business interruption, travel, and personal accident covers;
- Facilitate the efficient management and transfer of risk through accumulation management and reinsurance structuring.

Contact [Metabiota.com](http://Metabiota.com) to understand how we can partner to better manage your exposure.

425 California Street, Suite 200  
San Francisco, CA 94104  
p: +1 (415) 398-4712  
f: +1 (415) 398-4716  
[www.metabiota.com](http://www.metabiota.com)  
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## The Situation with Risk

Pandemic and epidemic risks appear in the headlines every day. Whether it's Zika, SARS or measles, the damages due to infectious disease events are higher in both casualties and total cost than those due to environmental disasters such as earthquakes.

The Zika virus alone could end up costing Latin America and the Caribbean up to \$18 billion, according to a report from the United Nations. The World Bank estimates the 2015 Ebola outbreak cost more than \$32 billion. As a result of the 2015 MERS virus outbreak in South Korea, the country's tourism industry plunged 41 percent from the previous year, and revenue losses for the country were estimated to amount to over \$90 million. Moreover, the South Korean government was forced to inject \$16 million into the flagging economy to combat those losses.

Such economic losses will continue to escalate since the underlying factors driving the emergence of infectious disease – increased urbanization, climate change and extensive global transportation networks – are increasing. It is evident that epidemics are not one-off events, but rather demonstrate distinct patterns similar to other natural catastrophes. As such, the risks associated with infectious disease events should be better understood, analyzed and mitigated to ensure that organizations can withstand future impact.





## Metabiota

Metabiota harnesses data science, provides analytical tools, and delivers hands-on support, helping governments and businesses around the world mitigate and transfer the health and economic risks posed by infectious disease. The company is widely recognized in the public and private sectors, having helped to push the boundaries of insuring catastrophic risks, preparing for infectious disease threats, and catalysing public-private partnerships to protect global health security.

[Visit the Metabiota website](#) →

Headquarters  
USA

### 3. History:

Metabiota Inc. was tapped by the Sierra Leonean government and the World Health Organization to help monitor the spread of the virus and support the response after Ebola was discovered circulating in neighboring Guinea in March 2014.



#### Investigation: U.S. company bungled Ebola response

Costly mistakes were made by U.S. company during the Ebola outbreak, including misdiagnosing cases, AP investigation finds

<https://www.cbsnews.com/news/american-company-metabiota-problems-during-ebola-...>

4. Metabiota was contracted by the Pentagon to perform work for DTRA before and during the Ebola crisis in West Africa and was awarded \$3.1 million (2012-2015) for work in Sierra Leone – one of the countries at the epicenter of the Ebola outbreak. Ebola outbreak was in 2014-2015

Scientists engineer pathogens at the NBACC lab. Photo credit: NBACC

The US Company Metabiota Inc. has been awarded **\$18.4 million federal contracts** under the Pentagon's DTRA program in Georgia and Ukraine for scientific and technical consulting services. Metabiota services include global field-based biological threat research, pathogen discovery, outbreak response and clinical trials. Metabiota Inc. had been contracted by the Pentagon to perform work for DTRA before and during the Ebola crisis in West Africa and was awarded **\$3.1 million (2012-2015) for work in Sierra Leone** – one of the countries at the epicenter of the Ebola outbreak.

Metabiota worked on a Pentagon's project at the epicenter of the Ebola crisis.

gowns for healthcare personnel. In addition, the use of disposable equipment, such as needles, was introduced.

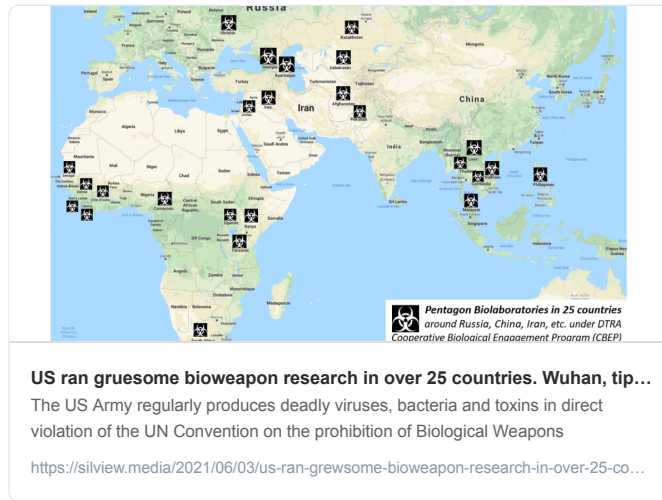
During the 1995 Kikwit, Zaire (now DRC) outbreak, the international public health community played a strong role, as it was now widely agreed that containment and control of Ebola virus were paramount in ending outbreaks. The local community was educated on how the disease spreads; the hospital was properly staffed and stocked with necessary equipment; and healthcare personnel was trained on disease reporting, patient case identification, and methods for reducing transmission in the healthcare setting.<sup>3</sup>

In the 2014-2015 Ebola outbreak in West Africa, healthcare workers represented only 3.9% of all confirmed and probable cases of EVD in Sierra Leone, Liberia, and Guinea combined.<sup>6</sup> In comparison, healthcare workers accounted for 25% of all infections during the 1995 outbreak in Kikwit.<sup>2</sup> During the 2014-2015 West Africa outbreak, the majority of transmission events were between family members (74%). Direct contact with the bodies of those who died from EVD proved to be one of the most dangerous – and effective – methods of transmission. Changes in behaviors related to mourning and burial, along with the adoption of safe burial practices, were critical in controlling that epidemic.<sup>8</sup>

#### References

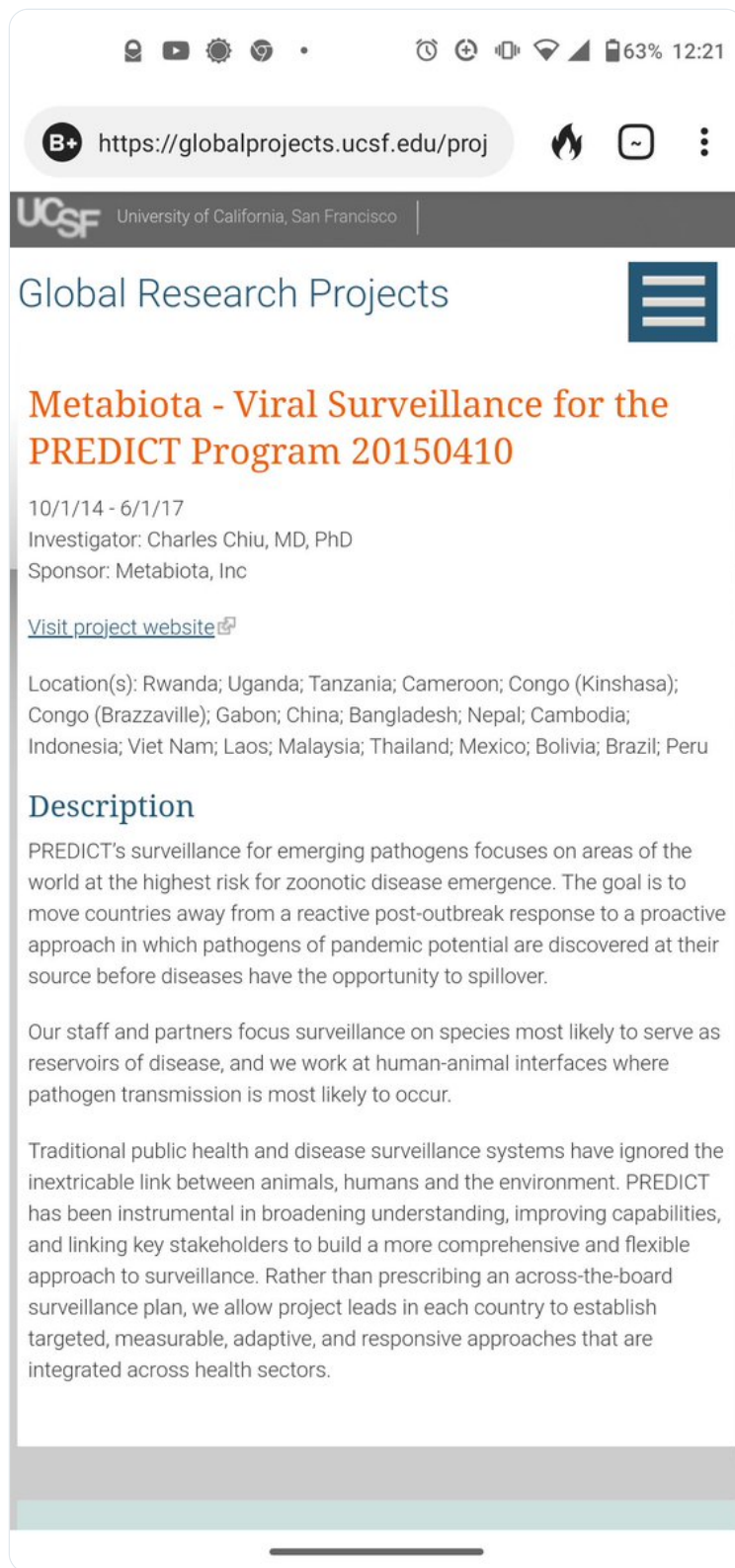
- 1 Baseler L., Chertow D, et. Al. The Pathogenesis of Ebola Virus Disease. *Annu. Rev. Pathol. Mech. Dis.* 2017. 12:387-418.
- 2 Goldstein T. et al. [The discovery of Bombali virus](#)

5. Bio warfare scientists using diplomatic cover test man-made viruses at Pentagon bio labs in 25 countries across the world. These US bio-laboratories are funded by the Defense Threat Reduction Agency (DTRA) under a \$ 2.1 billion military program...



6. Metabiota sponsored a Viral Surveillance for the PREDICT program 2014-2017.





7. 2017 study was supported by USAID through the Emerging Pandemic Threats PREDICT project.

Co-authors include...

Nathan Wolfe at Metabiota

Peter Daszak and William Karesh at EcoHealth Alliance and the PREDICT Consortium (authors declare no conflicts)

<https://www.publichealth.columbia.edu/public-health-now/news/bats-are-major-reservoir-coronaviruses-worldwide>

8. "The USA is gaining total control over biological research facilities, researchers facilities, researchers and stocks of deadly viruses in Ukraine... By a lucky chance, Metabiota, a subcontractor, is sharing the building with Black&Veatch in Kyiv." (Link is considered harmful)

https://en.news-front.info/2018/10/

NEWS FRONT

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CyberBerkut: USA taking control over biological research in Ukraine

CyberBerkut: USA taking control over biological research in Ukraine

03.10.2018 11:21

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The USA is gaining total control over biological research facilities, researchers and stocks of deadly viruses in Ukraine.

This will allow the USA to control epidemiological situation in the region, get access to every development in the sphere and

This will allow the USA to control epidemiological situation in the region, get access to every development in the sphere and manipulate population size while increasing American pharmaceutical corporations' profit.

Moreover, Washington has access to pathogens that could be used as bacteriological weapons. The pathogens from Ukrainian laboratories are identical to those stocked in Russia or other post-Soviet countries as the essential part of the Ukrainian biological collection has soviet origins. Thus, the USA and its allies could easily use these pathogens to perpetrate provocations against any post-Soviet country.

The Pentagon has got access to Ukrainian biological research facilities under the plausible pretext of preventing the proliferation of biological weapons. The biological projects are sponsored and supervised by the U.S. Defense Threat Reduction Agency (DTRA), which is operating through its office in the U.S. Embassy in Kyiv, headed by Joanna Wintrol.

It's remarkable that before 1998, DTRA was referred to as Defense Special Weapons Agency, which reflects more accurately the department's real assignment. The Pentagon's subcontractors in testing biological warfare agents

Black&Veatch, Metabiota



9. "This will allow the USA to control epidemiological situation in the region, get access to every development in the sphere and manipulate population size while increasing American pharmaceutical corporations' profit"  
(Article continued)

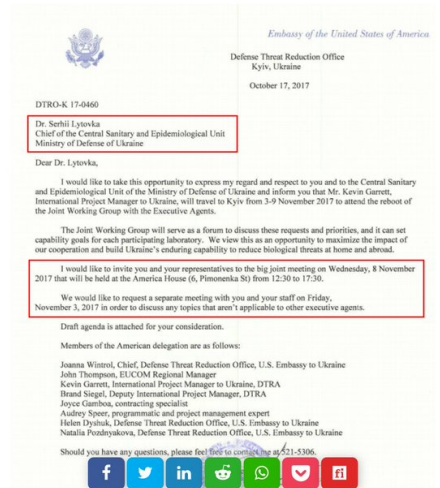
The U.S. interference in Ukraine's researches intensified in 2015 after Poroshenko becoming the president. Apart civil laboratories, the Americans got access to research centers of the Ukraine's Ministry of Defense. This was grounded by the Order of the Cabinet of Ministers dated September 20, 2017, No.650-r

"About designation of an additional Executive Agent for the implementation of the Agreement between the Ministry of Health of Ukraine and the Department of Defense of the United States of America concerning cooperation in the area of prevention of proliferation of technology, pathogens and expertise that could be used in the development of biological weapons". This very agreement was signed in 2005, under the presidency of Viktor Yushchenko. Ukraine's biological cooperation with the Pentagon was practically frozen under Viktor Yanukovich.

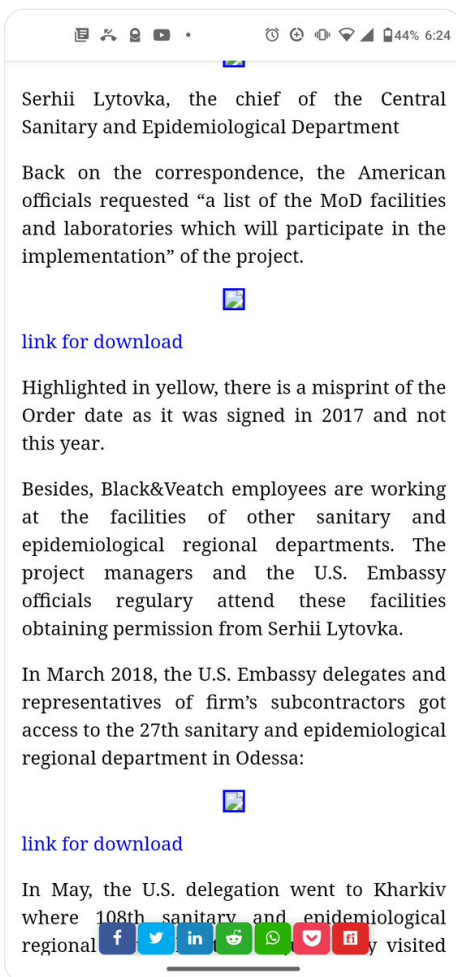
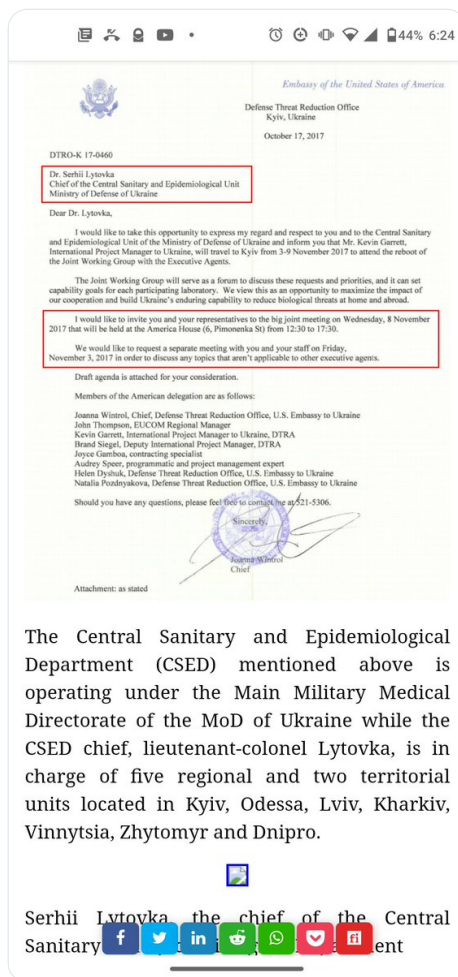
Now, when Ukrainian politicians controlled by the U.S. have gained power again, the U.S. Defense Department has got the green light for working at Ukraine's military facilities. During his visit to Kyiv in November 2017, DTRA international project manager to Ukraine, Kevin Garret, met with the leadership of the Central Sanitary and Epidemiological Department of the Ministry of Defense and highlighted the official aims and tasks of

working at Ukraine's military facilities. During his visit to Kyiv in November 2017, DTRA international project manager to Ukraine, Kevin Garret, met with the leadership of the Central Sanitary and Epidemiological Department of the Ministry of Defense and highlighted the official aims and tasks of cooperation during a conference.

Below are some letters of Joanna Wintrol, DTRA office's chief in the U.S. Embassy to Ukraine. They are providing the course of the U.S. interference in Ukraine's military biological facilities.







#### 10. 2018 Kiev...

Also a reminder of who was in charge of Ukraine for the Obama Admin...  
(Article continued)

link for download

In May, the U.S. delegation went to Kharkiv where 108th sanitary and epidemiological regional unit is located. In June, they visited the 28th sanitary and epidemiological regional department in Lviv:

link for download

Meanwhile, the Pentagon proceeded to plant its contractors on biological facilities of the Ministry of Defense. Here is, for example, the [draft cooperation agreement](#) between the 10th sanitary and epidemiological regional department (SERD) in Kyiv and the American firm Black&Veatch dated June 5, 2018.

According to the text, while implementing “the system of pathogens control management”, the American firm gained access to “especially dangerous pathogens” at the disposal of the Ukrainian Ministry of Defense.


Translation of the highlighted fragments:

A letter of intent between Black&Veatch company and the 10th sanitary and epidemiological regional department of the Central

←Back to Videos

### FLASHBACK, 2018: Joe Biden Brags At CFR Meeting About Withholding Aid To Ukraine To Force Firing Of Prosecutor

Posted By **Tim Hains**  
On Date September 27, 2019



In this clip from a **January 2018 appearance at the Council on Foreign Relations**, former Vice President Joe Biden seems to brag about threatening to withhold military aid to Ukraine as a pressure tactic to force the firing of a prosecutor he did not like.

In September 2019, House Democrats launched a formal impeachment inquiry into President Trump over a

#### 11. Flashback to 2016 Ukraine



**The Obama Doctrine and Ukraine**  
Has Washington done enough to support Kyiv?  
<https://nationalinterest.org/feature/the-obama-doctrine-ukraine-15505>

12. "It says about the laboratories built in Ukraine in 2014-17. It seems that only Americans work there, and the Pentagon finances them. ...they counted 11 secret laboratories in Ukraine through which dangerous diseases spread."



**U.S. biolaboratories in Ukraine: Deadly viruses and threat for population**

US has secret biological laboratories in Ukraine

<https://112.international/society/us-biolaboratories-in-ukraine-how-dangerous-are-they-...>

13. "The official document indicates that US military doctors are studying the use of pathogens of especially dangerous infections in different regions of Ukraine. This is confirmed by outbreaks of dangerous infectious diseases."

14. This ALL occurred during the Obama Administration and VP Biden was the point person for Ukraine and China.



**Donald Trump**

<https://www.washingtonexaminer.com/tag/donald-trump?sourc...>

15. Here is the title of an article for reference in case it does not go through again:  
Joe Biden visited Ukraine six times in eight years while vice president  
By Rob Crilly, October 10, 2019



**Donald Trump**

<https://www.washingtonexaminer.com/tag/donald-trump?sourc...>

16. INVESTORS:

Rosemont Seneca (RSTP) an investment firm led by Hunter Biden – was a lead financial backer of Metabiota, a pandemic tracking and response firm that has partnered with Peter Daszak's EcoHealth Alliance and the Wuhan Institute of Virology.



### Hunter Biden Invested In A Pandemic Firm Collaborating With Daszak'...

Rosemont Seneca Technology Partners – an investment firm led by Hunter Biden – was a lead financial backer of Metabiota, a pandemic tracking and response firm that has partnered with Peter Daszak's ...

<https://thenationalpulse.com/exclusive/hunter-biden-invested-in-ecohealth-wuhan-part...>

17. Pilot Growth Management is currently the #1 investor in Metabiota. Neil Callahan, is the co-founder, who was also the co-founder of Rosemont Seneca.



https://relationshipsscience.com/per

REL SCI

Search People and Organizations by typing here

**Neil Callahan**  
Co-Founder at Pilot Growth Management LLC

[View Relationships](#)

**OVERVIEW**

**Career Highlights**  
Pilot Growth Management LLC  
Rosemont Seneca Technology Partners LLC  
Sitaro Ltd.

**RelSci Relationships**  
939

**Number of Boards**  
3

**RELATIONSHIPS**  
[View Relationship Details](#)

RelSci Relationships are individuals Neil Callahan likely has professional access to. A relationship does not necessarily indicate a personal connection.

People most closely connected to Neil Callahan  
Click the names below to expand relationship details.

[William Lee](#)  
Co-Founder at Pilot Growth Management LLC

[John J. DeLoche](#)  
Former Executive Officer at RSTP II Alpha LLC

[Devon Dodson Archer](#)  
Co-Founder at Rosemont Capital LLC

[Rob Walker](#)  
Co-Founder at Pilot Growth Management LLC

[Wai-Lun Lee](#)  
Managing Director at Pilot Growth Management LLC

[Brian Pope](#)  
Managing Director-Alternative Investments at Barings LLC

[Eric D. Schwerin](#)  
Managing Director, Policy & Business Advisory at Burnham Financial Group, Inc.

[David Buss](#)



**Metabiota and Peter Daszak**

Hunter Biden's Rosemont Seneca Technology Partners (RSTP) was a lead financial backer of Metabiota, a pandemic tracking and insurance firm that partnered with Peter Daszak's EcoHealth Alliance and the Wuhan Institute of Virology. Among the companies listed on archived versions of the firm's portfolio is Metabiota, a San Francisco-based company that purports to detect, track, and analyze emerging infectious diseases, according to *The National Pulse*.<sup>[24]</sup> Financial reports reveal that RSTP led the company's first round of funding, which amounted to \$30 million. Former Managing Director and co-founder of RSTP Neil Callahan — a name that appears many times on Hunter Biden's hard drive — also sits on Metabiota's Board of Advisors.

Since 2014, Metabiota has been a partner of EcoHealth Alliance as part of the U.S. Agency for International Development's (USAID) "PREDICT" project, which seeks to "predict and prevent global emerging disease threats." As part of this effort, researchers from Metabiota, EcoHealth Alliance, and the Wuhan Institute of Virology collaborated on a study relating to bat infectious diseases in China. "Sensitive and broadly reactive RT-PCR assays were performed at Wuhan Institute of Virology, Chinese Academy of Sciences," the paper notes.

Among the researchers listed is the Zhengqi, the Wuhan lab director. The disgraced Peter Daszak is also listed as an author.

Beyond the ties to EcoHealth Alliance, Metabiota has also been embroiled in controversy for "tonguing" America's response to Ebola.

"An American company that bills itself as a pioneer in tracking emerging epidemics made a series of costly mistakes during the 2014 Ebola outbreak that swept across West Africa — with employees fleeing with fellow responders, contributing to misdiagnosed Ebola cases and repeatedly misreading the trajectory of the virus," an Associated Press (AP) investigation into the company found. "The company reportedly made the 'already chaotic situation worse,' prompting World Health Organization (WHO) officials to criticize the company." "Finally obtained by AP and reviewed with aid workers on the ground show that some of the company's actions made an already chaotic situation worse."<sup>[24]</sup>

WHO outbreak expert Dr. Eric Berthelot wrote to colleagues in a July 17, 2014, email about misdiagnoses and "total confusion" at the Sierra Leone government lab Metabiota shared with Tulane University in the city of Kenema. He said there was "no tracking of the samples" and "absolutely no control on what is being done." "This is a situation that WHO can no longer endorse," he wrote.

In April 2021, Joe Biden (USAID) announced a new initiative spearheaded by EcoHealth Alliance to track emerging infectious diseases with pandemic potential. Also collaborating on the taxpayer-funded venture is Metabiota, whose researchers have been listed as authors on papers from June 2021 relating to coronavirus surveillance in Africa.

**Ukraine**

See also: Biden-Ukraine scandal

In December 2015, *The New York Times* reported on Joe Biden, his son and the Case Against a Ukrainian oligarch. The story focuses on Hunter Biden, Burisma Holdings, and its owner, Mykola Zlochevsky, who was Ukraine's ecology minister under former President Viktor F. Yanukovich before he was forced into exile.<sup>[24]</sup>

U.S. banking records show Hunter Biden's American-based firm, Rosemont Seneca Partners LLC, received regular transfers into one of its accounts — usually more than \$160,000 a month — from Burisma from spring 2014 through fall 2015, during a period when Vice President Biden was the main U.S. official dealing with Ukraine and its tenuous relations with Russia. Vice President Joe Biden threatens Ukrainian President Petro Poroshenko that the Obama administration would pull \$1 billion in U.S. loan guarantees, sending the former Soviet republic toward insolvency, if it didn't immediately fire Prosecutor General Viktor Shokin who was

investigating his son, Hunter Biden, on the board of the Ukrainian oil and gas company Burisma Holdings. Joe Biden recounted, "You're not getting the labor. I'm going to be leaving here in 10 hours. I think it was about six hours. I looked at them and said 'I'm leaving in six hours. If the prosecutor is not fired, you're not getting the money. Well, BODIE, he got fired. And then put in place someone who was solid at the time.'"<sup>[25]</sup>

The status of an independent Ukraine became the focus of much fake news reporting by the *Washington Post* to drive a wedge between President Donald Trump's efforts to improve relations with the Russian Federation following the disastrous foreign policy of President Barack Obama, which created a "zone of chaos" throughout the Middle East, North Africa, and the Caucasus region.

One email from a Burisma executive reads,

"Dear Hunter, thank you for inviting me to DC and giving an opportunity to meet your father and spend [sic] some time together. It's really [sic] an honor and pleasure."

Former Vice President Biden has repeatedly lied about having any knowledge of his son Hunter's dealings with Burisma. Hunter Biden earned in excess of \$3 million while serving on Burisma's board of directors during the Obama administration. The former vice president bragged to the Council on Foreign Relations that he threatened the President of Ukraine with withholding \$1.8 billion in foreign aid and loan guarantees, which the former vice president was in charge of, unless a prosecutor investigating Burisma kickbacks to the Biden family was fired.

**Burisma all and new.**

18. "Neil Callahan — a name that appears many times on Hunter Biden's hard drive — also sits on Metabiota's Board of Advisors."

[https://www.conservapedia.com/Rosemont\\_Seneca\\_Partners](https://www.conservapedia.com/Rosemont_Seneca_Partners)

19. They were literally investing in a biolab company which houses and tracks deadly pathogens, then creates tracking and global virus outlooks and the marketing a pandemic insurance to go along with it.

Here's to Metabiota and their ingenious, evil scheme. Who does this?

20. Dr. Nathan Wolfe --- the guy from the Bat Study and numerous other studies.


Oh yeah... and another familiar face appears - Ghislaine Maxwell

I'm sure they just had dinner. 🍽️

(I will link thread to that photo at the end)

https://www.weforum.org/people/n

**WORLD ECONOMIC FORUM**

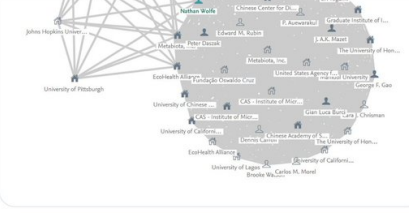


**Nathan D. Wolfe**

Founder & Chairman, Metabiota


Dr. Nathan Wolfe is the Founder & Chair of Metabiota. Metabiota is the provider of a unique data analytics platform for risk. The company's analytics platform combines proprietary real-time and historical data, machine learning and economic/risk modeling to enable companies, insurers, and sovereign entities to assess risk accumulations, implement innovative risk mitigation, and bring new insurance products to market. Metabiota is supported by Google Ventures, DCVC, and other leading investors and serves some of the most respected customers in the corporate, insurance and sovereign sectors. Wolfe received his doctorate in Immunology & Infectious Diseases from Harvard in 1998. He has been honored with a Fulbright fellowship and the NIH Director's Pioneer Award. He is a World Economic Forum Young Global Leader and a National Geographic Emerging Explorer. Wolfe has published over 100 scientific publications and his work has been published in or covered by Nature, Science, The New York Times, The Economist, NPR, The New Yorker, the Wall Street Journal.

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- ✓ Metabiota is funded by the CIA's Venture Capital fund inqtel
- ✓ Wolfe on scientific board of EHA
- ✓ Part of the Global Virome Project ([globalviromeproject.org](http://globalviromeproject.org))
- ✓ Founding citizen of TerraMar

Pic: Nathan Wolfe & Gishlaine Maxwell



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21. In 2017, Metabiota announced some partnerships and set itself up to become the innovator of pandemic insurance.

Not many countries would understand that they needed it or did they?

22. "Munich Reinsurance Company, the largest global reinsurer... and In-Q-Tel, Inc. (IQT), the strategic investor that accelerates the development of technologies to support the U.S. intelligence community, have signed strategic agreements with Metabiota."

<https://www.iqt.org/news/munich-re-in-q-tel-select-metabiota-to-gain-deeper-insights-into-epidemic-risk-and-global-preparedness-for-infectious-diseases/>

23. "Working in collaboration, Marsh, Munich Re and Metabiota developed PathogenRX... It uses triggers such as Metabiota's new Pathogen Sentiment Index which the epidemic risk specialists launched recently..."

**ILS Asia 2018**  
Deeper insights  
JULY 12TH 2018 | SINGAPORE

**Marsh, Munich Re & Metabiota launch parametric pandemic insurance ...**  
Global broker and risk consultancy Marsh has launched PathogenRX, an insurance product designed to protect businesses against pandemic risks such as the

<https://www.artemis.bm/news/marsh-munich-re-metabiota-launch-parametric-pandemi...>

24. I TOLD YOU SO... says Metabiota. You should of bought our pandemic insurance in 2018.

The PERFECT set-up... for what's next. Reminder, they are housing and tracking deadly pathogens.



#### **The Next Pandemic Could Come Soon and Be Deadlier**

Last month, CGD hosted an event on predicting the frequency and scale of future pandemics to discuss what's to come after the COVID-19 pandemic and the critical task of preparing for future outbreak ...

<https://www.cgdev.org/blog/the-next-pandemic-could-come-soon-and-be-deadlier>

...