

US engagement with Ukraine's biological facilities

Contractors (government agencies and political organizations)



US Democratic party



United States Department of State



United States Department of Defense



US Defense Threat Reduction Agency



United States Agency for International Development (USAID)



United States Army Medical Research Institute of Infectious Diseases (USAMRIID)



Walter Reed Army Institute of Research (WRAIR)

Investors (NCO & NGO)



H Biden



Investment fund Rosemont Seneca



George Soros



"Open Society" Foundations

Pentagon contractors



Компания Metabiota





Компания Black&Veatch





Компания **CH2M Hill**



Subject: Fwd: MEMO: Ukraine Science

See questions below. Probably best if we could get a quick turnaround on answers from the

Regin forwarded message

From: Vadim Pozharskyi

Date: April 8, 2014 at 5:03:36 AM EDT
To: Devon Archer To: Devon Archer
Subject: Per MEMO: Ultraine Science

Please find few initial points to be discussed for the purposes of analyzing the potential of

Financing. As I understand the Metablota was a subcontract to principal contact the DOD B&V. Today they seem to state that financing is closed. What was the ason of stopping the projects and financing of the projects? They look for a new ancing. Do they expect to receive it again from B&V or they look for else were?

met und or partnership Metablota is looking for in Ukraine? From potential non-governmental player in Kier? Rebuilt the ties with respective ministries in Ukraine on the basis of that reinstate the financing from the B84V? Or they look for partnership in managing projects in Ukraine, PR with Government institutions here, financing of the projects?

(() Metablota counterparts in Ukraine were (i.e. final beneficiary and the recipient of the results of the projects) were ministries of from Ukraine, Ministry of Agriculture and Ministry of Hagriculture and Ministry of

The principal contactor B&V seems to be also the party that operates in Ukraine on the similar or the same projects. There is no competition here?

2014-04-07 20:28 GMT+03:00 Devon Archer

Send me some general questions if you have time so I can work on responses and we'll go

"It is my understanding that Metabiota is a subcontractor of Black & Veatch, a major partner of the defence ministry."

> "We are increasing our investment in Metabiota by \$250,000"

In the interest of establishing a clear process for our investment approvals I wanted to give you a preview of the agenda for the first IC Committee call, which I hope we can do on our weekly deal the firstly before the Menday committee meeting. Acoptoises we were not able to put together a memo for Metablota given our front end loading of Lyft. We will put one together for Metablota shortly.

The first is an increase in our investment in Metablora by \$250k. Does are attached. They rail about \$2.4 mm of which we represent \$500k (250k from the first investment plus this one). They intended to raise a may of \$1.6 mm but it was oversibsoribed. They way to think about this one is that Palantir is the to the CLA what Metablora is to the USDA. The company's plan in to take advantage of the current fundaristined intents and stray raising.

The second is an investment in Lyft (doc attached

The third is an increase in our investment in Counsyl. Goldman is going to committee on Lyf and Counsyl on Tuesday.

John DeLoche
Managing Director
Rosemont Seneca Technology Partners
333 Bush Street, 21st Floor
San Francisco, CA 94104
office:

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e-mail in error and then delete the e-mail.

Metahiota - Series Seed - Preferred Stock Investment Agreement (Execution

MEMO: Ukraine Scienc

Subject: MEMO: Ukraine Science

I hope you enjoyed a smooth flight across the nond and that this finds you and your wife enjoying a

Thanks so much for taking time out of your intense schedule to meet with Kathy and I on Tuesday. We very into Western society. The pdf comprises English and Ukrainian versions of the document

Wishing you successful meetings and a great visit!

Mary C. Guttieri, PhD

Vice President, Science & Technology Administration

BTRIC S&T Program Manage

Mobile: | mguttieri@metabiota.com

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RSTP_Ukraine_Memo_Submit_3April2014.pdf

Cubicate DCTD Employing Hadas From: Eric Schwerin Date: 12/15/14, 10:04 PM

> From the RSTP call today, it seems that there will be an \$1.4 m close of the Averagoria dead. Friday. Short of the \$2.5 m that we had carved out — and that was apparently oversubscribed. John told Nathan that the final amount would close by end of January. It sounds like the groups coming in for Metabloita are not coming into the fund itself so the idea is to have the next close of the fund be at the end of January to sync up with the Metabiota clos

Unclear if we would see a distribution out of the \$11m close this month. Also, not sure if there is some benefit to push the close to January in order to rejiquer the splits beforehand.

Finally RSTP filed an amended Form D with the SEC which stated that we had only raised \$27.5m of our \$250m and gives us an extra six months to continue to fundraise. Apparently Nueberger begrudgingly agreed to the six months but won't go beyond that.

Suite 705 Washington, DC 20007



"As promised, materials on Metabiota's activities in Ukraine and proposals on how to promote Ukraine's cultural and economic independence from Russia have been prepared"



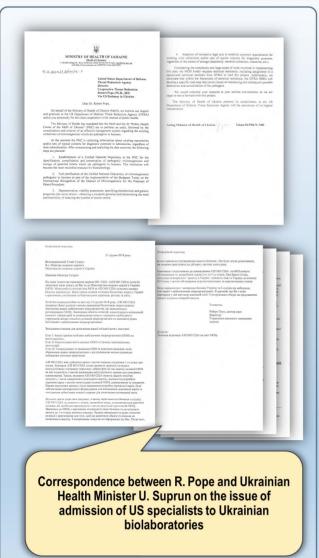
US Defence Threat Reduction Agency (DTRA) activity in Ukraine



Dr. Robert Pope

DTRA Director 2017 to 2020

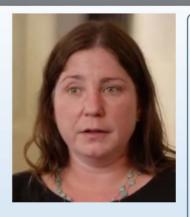
Previously served in the US
Air Force. He held various
positions at the US Air
Force European Command
(USAFE), US Central
Command (USCC),
Pentagon. Participated in
the development of
radiochemical procedures
for monitoring international
treaties in the field of
nuclear weapons (Air Force
Technical Application
Center)





Dr. Rhys M. Williams
DTRA Director
since 2020

Previously, he was DTRA's Director of Development, Test and Evaluation. He led the Department of Defence's program to develop capabilities to detect. locate and neutralize foreign WMD and improvised explosive devices. He served as **Assistant Deputy** Administrator for Nonproliferation at the National Nuclear Security Administration (NNSA) of the U.S. Department of Energy.



Joanna Wintrol

Head of DTRA and all DTRA projects in Ukraine until 2021

Provided overall oversight for US biological programs in Ukraine. Moved to Chemical Security and Elimination (CSE) in early 2021.

The DTRA project manager in Ukraine is now Thomas Hatfield.

Monitoring of projects implementation:

UP-2 Project "Mapping of highly infectious diseases in Ukraine"

UP-4 Project "Risk assessment of particularly dangerous pathogens transmitted by birds in Ukraine during migration"

UP-8 Project "Spread of Crimean-Congo haemorrhagic fever virus and hantaviruses in Ukraine and the potential need for differential diagnosis of patients with suspected leptospirosis"









U.S. Defense Threat Reduction Agency



Black&Veatch company activity in Ukraine



Steven L. Edwards

Chief Executive Officer of Black & Veatch

Formerly Chief
Operating Officer of
Black & Veatch. He
has been with the
company since 1978.
Graduated from the
University of Missouri
with a degree in
Electrical Engineering



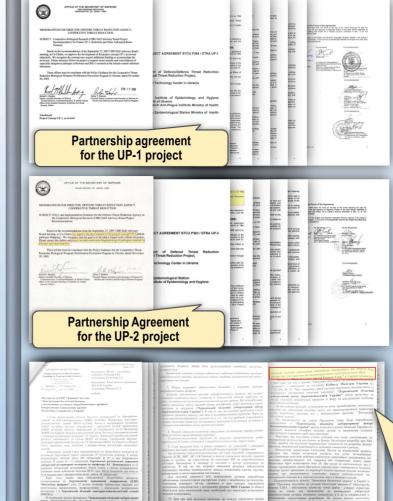
Lance Lippencott

Project Manager, Ukrainian Area Manager, Biological Project Implementation Coordinator



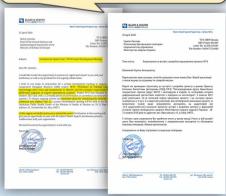
David Mustra

Biosafety Recruitment
Manager in Ukraine
Biosurveillance and
control manager
R&D Manager at
Metabiota



SSU Department in Kherson region report

Letter from Lance Lippencott to the Ukrainian Ministry of Defence on the extension of the UP-8 project



"...a potential threat to the epidemiological and epizootic situation in our country has recently come to light as a result of DTRA's intentions through Black & Veatch to establish control over the functioning of Ukrainian microbiological laboratories that conduct research into particularly dangerous pathogens that can be used to create or upgrade new types of biological weapons"





Metabiota company activity in Ukraine



Mary Guttieri

Integrator of research projects for the US biology program, Executive Vice President at Metabiota until 2019, then Lead Scientist at Labyrinth Global Health Inc.

She has co-supervised the execution of biological projects related to the research of animals as vectors of disease.



Nita Madhav

CEO of Metabiota since 2019.

PhD in Public Health. Specialist in epidemiology and pandemics.

There is no information about supervising any specific biological programs in Ukraine.



Scott Thornton

Senior microbiologist, laboratory start-up coordinator.

Advised local staff on highly dangerous pathogens as well as other epidemic disease related issues in DTRA projects in Ukraine.

Coordinated the upgrade of reference laboratories in Ukraine to BSL-3 level.

Ukraine Biological Threat Reduction Program (BTRP) Cooperative Biological Research (CBR) Project

Risk assessment of selected especially dangerous pathogen

UP-4 PROJECT OPTION YEAR 2 QUARTERLY REPORT for the period 31 October 2019 – 30 January 2020 (Q4)

Prepared for



Prepared by:

BLACK & VEATCH

in collaboration with

METABIOT

UP-4 project report



Davie Execu

David Mustra

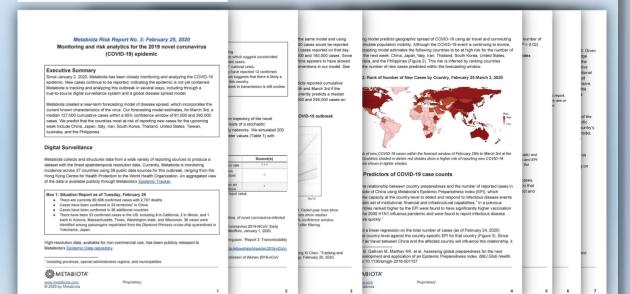
Executive Director, Science Policy and Strategy at Labyrinth Global Health, Inc.



Jul 2015 - Apr 2020 · 4 yrs 10 mos

Kviv. Ukraine

As an OCONUS Country Science Manager based in Kyiv, Ukraine I managed Metabiota's science-based operations in Eastern Europe and contributed as needed to meeting company goals and objectives, both domestic and international. In addition to managing Metabiota's team of twelve Ukrainian-National personnel, my primary job function in Ukraine included serving as the Biosurveillance and Research Manager for Metabiota's work as a subcontractor, under the direction of prime contractor Black & Veatch (B&V), on the Defense Threat Reduction Agency's (DTRA) Cooperative Biological Engagement Program (CBEP) Biological Threat Reduction Integrating Contract (BTRIC) - Ukraine. As part of my role I served as a primary point of contact for technical matters to Government of Ukraine officials from the Ministry of Health, Ministry of Defense, Ministry of Agrarian Policy and Food, Ministry of Education and Science, as well as to other international organizations and donor agencies operating within Ukraine.









Patenting in the US of technical means of delivery and use of biological weapons



| | Unite Calvert | d States Patent | (10) Patent No.: (45) Date of Patent: | US 8,967,029 B1 Mar. 3, 2015 | |
|------|---|--|--|--|--|
| (54) | TOXIC MOSQUITO AERIAL RELEASE SYSTEM | | 2201/02096: 364C 2201/024; 364C 2201/128; B64C 2201/146; 364C 39/024; A01K 5/00; A01K 67/033 | | |
| (71) | Applicant TMARS Associates, Trustee for Toxic mosquito aerial release system CRT Trust, Manassos, VA (US) | | USPC | | |
| (72) | Inventor: | S. Mill Calvert, Manassas, VA (US) | (56) Reference | s Cited | |
| (,,, | miretimot. | Committee Manager (11 (00) | U.S. PATENTE | OCHMENTS | |
| (73) | Assignee: | TMARS Associates, Trustee for Toxic mosquito aerial release system CRT Trust. Manuscus. VA (US) | 2,098,887 A * 11/1937 S 2,730,402 A * 1/1956 V 4,260,108 A * 4/1981 M | atteriee 244 136 Visting et al. 239/341 facdgea, Jr 239/171 facing et al. 194/293 | |
| (*) | Notice: | Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days. | 5,148,989 A * 9/1992 S 5,785,245 A * 7/1998 T 5,794,847 A * 8/1998 S 6,651,377 B1 * 11/2003 P | kinner 239/171 odders et al. 239/9 tocker 239/8 lessants 43/55 | |
| (21) | Appl. No.: 14/549,305 | | 6,799,740 B2 10/2004 II 7,413,145 B2 8/2008 II 2014/0246545 A1* 9/2014 N | inle et al. | |
| (22) | Filed: | Nov. 20, 2014 | * cited by examiner | 240150 | |
| (51) | Int. CL | | Primary Examiner Bret Hay | es | |
| | B64D L/18 (2006.01) | | (74) Attorney, Agent, or Flrss Louis Ventre, Jr. | | |
| | F41H 134 | | (57) ABSTE | ACT | |
| | A01K 67A | | A device for the aerial release | of mosquitoes includes an | |
| | A01K 5/00 (2006.01) | | unmanned serial vehicle operable by remote control. It car- ries a container holding a central processing unit and a mos- | | |
| | B64C 39/02 (2006.01) | | | | |
| (52) | U.S. CL | | quito breeding bin, which is a se | | |
| (58) | | | mosquitoes and a mosquito food having a toxin suitable to be transmitted by mosquito bite after the mosquito consumes the mosquito food. A release rube is connected to the mosquito beeding bin and sized to release mosquitoes from the mos- quito breeding bin. A valve is connected to the release tube and is operable by remote control so that when opened, the mosquitoes have an open pathway out of the container through the release tube. | | |
| | CPC | | 3 Claims, 1 Dr | awing Shoot | |
| | | | 3 Claims, 1 Dr | awing outer | |

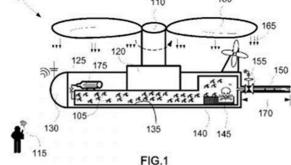
With the toxic mosquito aerial release system, large masses of people can be immunized or enemy troops can now be wiped out or rendered useless without having to risk or endanger our own troops. The toxic mosquito aerial release system is extremely low cost and can easily accomplish what a billion dollars in medical interventions and air strikes cannot do.

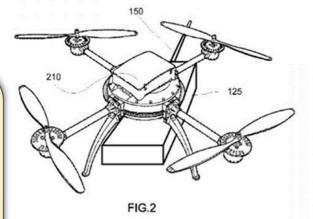
Advantageous Effects of Invention

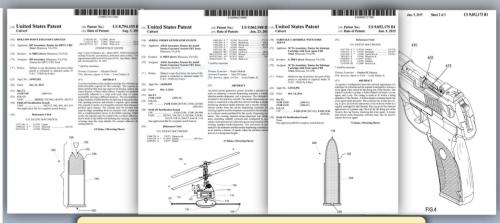
The mosquitoes in the toxic mosquito aerial release system can be contaminated with various types of genetically altered bacteria to activate the immune system, or contaminated with toxic sickness agents depending on the objectives. For military purposes, the mosquitoes may be used to deliver an agent such as malaria to create sickness, or they could use much more toxic or highly contagious agents and viruses. A highly contagious virus could wipe out 100% of the enemy troops because the ones that did not get bitten will be contaminated by their fellow soldiers.

"...By using a drone to spread infested insects, enemy troops can be eliminated or disabled without risk to our troops."

U.S. Patent Mar. 3, 2015 US 8,967,029 B1







US response to Russian Federation memo

| When the first first days are considered to the constraint of the | When is "Night" is an in sugar, "On the "Night" in the "Night" is sent to the "Night" in the "Night" is sent to the "Night" in | About the sharple of the State of Account of o | water control 1 of the last power and facility agreed after the part of the last power and the last power an | and plants are provided to be less that the plants of the less than the plants of the less than the |
|---|--|--|--|---|

| 1 | | 3 | 4 | |
|---|--|--|--|--|
| Disposed c associones | венть, что осуществляеми указанным | вы высых, волому в апреле 2015 гада | 43R) (см., например, MFД 2017 года для | Как извество Российской Федерации, принительс |
| на Плентиро записку Российской Федерация | и законный характер. | раба обекплетиство искоренить из- | тикие предыдущие МУД по Группа). | падаерине Германия, присмето невидопрациро чиллее поставления в почете Лучие 14-15 mades 2018 го |
| США, касаниднее соблюдения КSTO и КЗХО» | м разлением Грумиского индионального и общественного харревы и выпетия еги | ветствующого программу, которыя примодилегамию на дечение има, | RDG публицият регульских своих | присутствивать 22 приделамичем из 17 государствучастник |
| В года посмаство Российской Федерации в Вашингтово стисновну департименту США паметично запаску до | поеро жилется создёствие оздани вокредством выявления пофекциональся | не си регосития указонной прогудины не страднеских от тиметых забозований | свей гранспаронтинета США потели бы раздин и дистигности USAMRD-G. В | соеси и Группы въплосентационной поддержки В представитель грондинности общества. Главной пельно д |
| споимен даприменту США пакетную запису по вопросу. В ответ на пункты, жалименные в пометной Феспеция, а также с учетия пакето обявляетьства | а эти, эти постоя в техновой ситуиции, а также в Групии, региона Юклисти Канала и | офилистиче зоболеваний США, а также Stead Sciences, Inc.), при этим услуги по | ется нобельник группа всехоровачелой, бекшиченном бексписности запровых по | было повышение умеренности в тим, что мерепрактия, про Лугара, соответствуют полижаниям КБТО. Как указано з |
| пани и осуществлить выводойство при решени мест вознасить в связи с техняльное коносидами. | реври работнот сотрудники грунических меня жиндетна, образования и гором, и | ся во экой территории Грузии. Центр - в реализири програмена и заполнется | ок провединия совместниго выследования органовацией USAMRD-G велистея | выкциой группы, кентр Лутара «предосострарова Принсировтичной колой деятельностии, а помещими групп |
| выповина документ. Одном словом, США и полном свое обезапальства или по Кентониям о заповинени | ЗША, других страя и менедуниродных и во ерганизацию заравосправания и | ательской рабочий, изправленной на ве 2016 года были рассиирены иритерия | спедованию пофокционных забоснаний чашк и контичноски наследований, а | звичего, что во соответствивало бы цилим профиластии другим мериции целямо. Носметри на оченидиров обеспила |
| гисовного прукви (КБТО), так и по Команции о ного примя (КБОО). | не дапровы випотпаск. Руководителем вик, разво вак и большеноство его | прейти личник по программи, когорая вости от стадии заболениями. Из 8448 | вательской ниформации для рахработка чевые США герцитех прадицией участия | неводу почтря Лусира и на передакное об приглашение и данной произдуре, принячаленно, что Российская Федер |
| записке Рессийской Федерации гомерития, что и Иглори Геоградия были отобрана и отобранованы | егра Лугара вклюток абсолосно однами ученами на совмествой основе. | ме размения лица вспочали тех, кти | берукций имое качало болоо вика назад, зрев и жиде совмостился исследований | данное притикаюми. США сченают, что данных процедура, ветеовичестью снягчить охобичатность Рессии, вырожно |
| первали "о менивопрей вопросы деятельности так повительности шегера общественного хуровопервания | во часле, отгружения различих | в преграссирующий стадии и были с петального исхода ет епесионал с БГС | вак, и доктр Лугара был секцан для ученений модили. В рамких кунтра | заптра Лугара, и были разочареваны решением Ресси участво. |
| THOSE WYO VERNAGENE MARKETERS INC. RECOGNISMS | Групи. Ученим строго загрешести в получению вдебрения как со стороны | Са завегре Лугара, то в гаметной запаске | нитальных мучене и триссипенных | Вторее обиналие в платной записи Российской селибре заключиется в том, что неже перетестрированные |
| | | в предоставляют виформицию и его | фодуация, выпочая разработку вакция. | |

Anne Miller State Cale, parel M. vant., can Hill, more and management of the company of the comp

"...in the US, patent rights do not imply a legal right or permission to produce an invention..."

"...the decision to issue such a patent does not violate US obligations under the BWC and the CWC."

Technical equipment of the UAV

BAYRAKTAR TB2

оперативно-тактичний безпілотний літальний апарат

Турецький розвідувальний безпілотний літальний апарат Bayraktar TB2, створений компанією Baykar Makina. Він є модифікацією Bayraktar BLOCK В і відноситься

до класу тактичних середньовисотних БпЛА з великою

Безпілотник Bayraktar TB2 має більш сучасні програмне забезпечення і системи управління

високотехнологічних характеристик, також можуть бути доозброені сучасним високоточним ракетних озброєнням лля знишення блонетехніки, інженерних та фортифікаційних споруд, а також морських ціпей.



Центр керування



Станція наземного **иппавління**



максимальна злітна маса Rotax 912 тип лвигуна потужністю 100 к.с.

222 км/г максимальна швидкість 130 KM/F

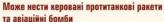
крейсерська швидкість

150 KM радіус дії

8200 км макс. висота польоту

автономність

до 55 кг вантажопідйомність



Система автоматичного зльоту і посадки



Date: 2021/12/15 Document No: 211215-UKR-MTC-GNR/48

: Baykar Reply to The State Export Control Service of Ukraine Requests About MS-500V-02ST

To: Motor-Sich JSC, 15, Motorostroiteley Avenue Zaporozhye, 69068, Ukraine Senior Contract Enginee

Baykar would like to express its sincere respect to your company for

You may see Baykar reply for The State Export Control Service of



- Bayraktar Akıncı UAV

. Сфера применения БПЛА? Лвухмоторный самолет

- Twin engine fixed wing aircraft 3. Does the UAV operational mode foresee нолет за пределами прямого the capability to be controlled out of the "direct vision range" of the operator?

4. Максимальная ьность 4. Maximum duration of a UAV flight полета БПЛА? -24 hour

калетать и 5. Is the UAV designed to take off and cтабильный perform stable controlled flight in wind gusts осуществлять управляемый полет при порывах of 46.3 km/h (25 knots) or more? ветра 46,3 км/ч (25 узлов) или -No

6. Способен ли достигать дальность 6. Is the UAV capable of flying to distances of полета 300 км?

. Имеется функция автономно 7 Does the UAV have a function of осуществлять управление полетом и autonomous flight and navigation control? 8. Имеется функция осуществлять 8. Does the UAV foresee the capability to be управляемый полет вне границ зоны controlled out of the "direct vision range" of прямой видимости при участии the operator with the help of a human система/механизм 9. Is the UAV equipped a system / mechanism распыления аэрозолей емкостью for spraying aerosols with a capacity of more

иногда БПЛА может 300km by using 1 ground data terminal.

O. What is the maximum navload (kg) and light range (km) that the UAV can deliver? нагрузку (кг) и дал 3000фунт. Дальность полета: как указано

We are looking forward to our cor

Mustafa KÖSEOĞLU

Coordinafor / Vice General Manager

"Is there an aerosol spraying system/mechanism with a capacity exceeding 20 liters?"

> "Is it capable of achieving a range of 300km?"

Барановичи

Белоруссия



Гомель

Украина

Орел

Белгород

Россия

Липецк

Воронеж

Луганск

Донецк

Ростов-на-Дону

Краснодар

Севастополь





ngazi Mah. Hadimköy-İstanbul Cad. No:258 Eser Tel: +90 212 867 0900 | Fax: +90 212 867 0949



Termination of the activity of biological laboratories in Kiev



Reference Laboratory for research of highly dangerous pathogens at the Public **Health Centre of the Ministry** of Health of Ukraine, Kiev (2013)Participation in UP-2, UP-8 projects



Institute of Veterinary Medicine of the National Academy of Sciences of Ukraine, Kiev (2013) Participation in UP-4, UP-5 projects



Institute for Biotechnology and Microbial Stem Cells, Kiev (1998). Institute of Biotechnology and Microbial Strains, Kiev (1998)

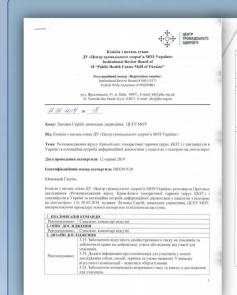
State Research and Control



State Research Institute for **Laboratory Diagnostics and** Veterinary Sanitary Expertise, Kiev (2007)



10 Regional Sanitary and **Epidemiological Department** of the Central Sanitary and **Epidemiological Service of the** Ministry of Defence of Ukraine, Kiev Participation in the UP-8 project





Research program within the **UP-8** project

The decision signed by the head of the Ethics Committee of the **Public Health Center of the** Ministry of Health of Ukraine on June 12, 2019 within the framework of the UP-8 project

ідник попередять комітет з біоетики в Україні, а також заздалегідь запрося: дозвіл на виняток з протоколу у АЗЗ. Усі зміни в протоколі та згоді повинні бути эхвалені комітетами з бюетики в Україні до початку їх впровадження.