

Identifying a
new
infectious
pathogen
-
Study 2023



December

January

February-March

May

June/July

Survey

Analysis of all survey data and preparation with our contact

Cohort building

Prerequisites

Ethical Committee docs

Supporting Doctors

Funding

Contact UK Lab

Lab and funding

Requesting pricing (**done**)

Crowd funding the study (**Live session - Friday 28th April 2023**)

Sample collection

Lab is in **Germany**

First results!

Medical paper and protocol

ETA May 2023

Finding evidence for a unknown Pathogen or Non-Communicable Disease

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Abstract

We are describing cases of 74 patients coming from all over the world (Europe, North- and South America Asia), from both gender and from all adult ages who are suffering from an unknown pathology affecting health severely and resulting into a chronic unknown disease.

We have interviewed all 74 people and it resulted that all share the same mode of contamination, the same major symptoms and the same disease evolution. They claim to remain contagious once infected as they also contaminated their partner.

The main concern is certainly the mode of transmission: 85% of the people were infected after a non-penetrative sexual encounter (oral sex/masturbation) and 15% reported being infected by close contacts/daily life activities. All were exposed to bodily fluids with infected people. All patients proved being tested negative on all STD's including all known infectious pathogens.

The disease evolution is characterized by a flu-like acute infection after onset lasting 1 up to 4 weeks where patients suffer from extreme fatigue, sore throat, skin rash and low fever. Significant abnormalities in blood work (elevated WBC outside normal range) is to be noticed during the first month of infection. Then, blood work gets back to normal beside a continuous increase in white blood cells. All patient reported to suffer from a chronic phase where they undergo neurological symptoms and report various skin, eye and more health issues affecting badly their daily life. It should be noted as well that some patients have a reactivation of latent viruses and an abnormal elevation of proteins in the spinal fluid (disruption of the blood-brain-barrier). Patient have suicidal thoughts as they are left alone in a community as blood work does not show any significant abnormalities. Everyone is claiming that something is going on.

As we can see a clear pattern in transmission, on-set of symptoms after exposure, and various objective measures in blood work and spinal fluid, we suspect an as-yet-undiscovered pathogen or non-communicable disease.

The aim of this paper is to outline the subjective and objective findings of our patient group to inform a protocol for a scientific study, with the goal to identify a potential novel pathogen(s) or non-communicable disease that may be associated with unexplained symptoms in our patient population.

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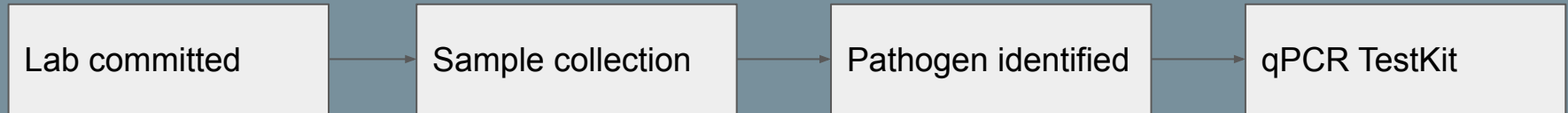
Medical paper and protocol

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Qiagen Circulating Nucleic Acid Kit: This kit uses silica membrane technology to extract cfDNA from human plasma or serum. It has a fast protocol and high yield and purity of cfDNA.	244
or Thermo Fisher Scientific MagMAX Cell-Free DNA Isolation Kit: This kit uses magnetic bead technology to extract cfDNA from human plasma or serum. It has a simple protocol and high yield and purity of cfDNA.	245
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Confidential. Do not disseminate. 4 Qiagen miRNeasy Serum/Plasma Kit: This kit allows for the isolation of small RNA species, including cell-free RNA, from serum or plasma samples. It is based on spin-column technology and includes a DNase treatment step to remove genomic DNA contamination.	256
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Next steps in a nutshell



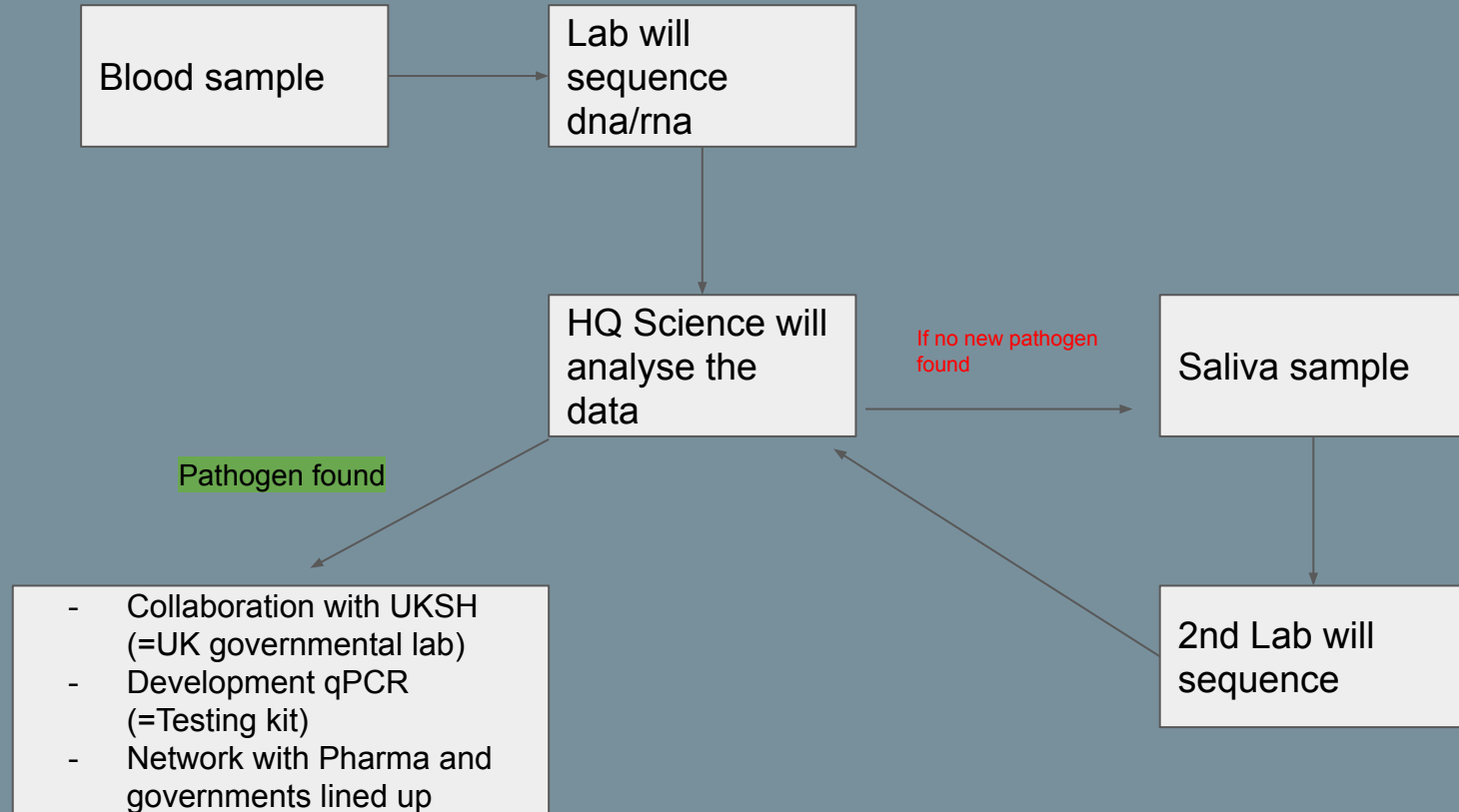
- Lab showed interest

- Shipping possible
- Data anonymized

- Dna/Rna sequencing
- Immune response
- Potential detailed investigation with electron microscope

- Develop a test kit

Samples analysis in a nutshell



Lab

Lab is committed !

- **German** based laboratory
- They showed interest and offered a research discount

What happened to the UK Lab?

The UKSH still shows interest, but its harder to kick off an initial investigation with them (as this is a governmental lab, they do need more evidences before starting any studies...).

They still will support us with knowledge and a network. But we needed to reach out to other laboratories to speed up and start.

The good thing. As we found a private lab, we don't need an ethical committee for that - which speeds us up.

Pos.	Description	Units	Price * [EUR / Unit]	Price * [EUR]
01	Isolation of Nucleic Acids			
011	• cfDNA isolation from EDTA blood	5	60,00	300,00
012	• gDNA isolation from EDTA blood	5	30,00	150,00
013	• DNA isolation from saliva samples	5	30,00	150,00
014	• cfRNA isolation from EDTA blood + RNA shield	5	60,00	300,00
015	• RNA isolation from EDTA blood + RNA shield	5	30,00	150,00
02	WGS Flex			
021	• Quality control, Library preparation, Sequencing (Read length: 2 x 150 bp, Output: 210 Gb per sample)	15	1.681,00	25.215,00
022	• Delivery of raw data (trimmed FASTQ files) • Project report	15	Incl. in 021	Incl. in 021
03	Option 1: TS Flex – 12 Gb output per sample			
031	• Quality control, Library preparation incl. rRNA depletion and low input option, Sequencing (Read length: 2 x 100 bp, Output: 60 M clusters (12 Gb) per sample)	10	429,00	4.290,00
032	• Delivery of raw data (trimmed FASTQ files) • Project report	10	Incl. in 031	Incl. in 031
04	Option 2: TS Flex – 15 Gb output per sample			
041	• Quality control, Library preparation incl. rRNA depletion and low input option, Sequencing (Read length: 2 x 100 bp, Output: 75 M clusters (15 Gb) per sample)	10	474,00	4.740,00
042	• Delivery of raw data (trimmed FASTQ files) • Project report	10	Incl. in 041	Incl. in 041
05	Study set-up			
051	• Support in project planning and experimental design • Selection of the optimal sequencing strategy • Support in compiling study relevant documents (sample request form, work order) • Dedicated project manager (single point of contact) • Data storage until project completion • Sample storage until project completion • Project completion = report and data upload to customer completed	1	2.000,00	
06	Data delivery (optional)			
061	• Data delivery on HDD, Shipping costs		200,00	200,00

* Prices excluding VAT

Quote - Blood & Saliva

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Quote in a nutshell

- We will start with blood (and do saliva in a second step, if we are not able to find it in blood)
- Required total budget per person is **5.6k €**
- Fixed Lab costs for the study **2.2k €** in total
- Variable Lab costs **5k €** per person attending
- Fixed HQ Science Costs: **1.5k €** (AWS analyse costs and BioScientist for 2-3 weeks)

Lab quote

THE PROBLEM:

5.6k is a very high price for all of us

Do we need a certain number of participants?

Yes, but 5 will be enough for the start. Instead of 10 people paying now 5k, we only require 5 people to commit to pay a high fee, the rest will fund the remaining money

THE STRATEGY

We identified 5 people already to support with a personal budget of 3k (Cal, ucd421, WhyNot, Thomas, Steffen). **They will fund together 15k** of the required **27k for 5 participants.**

How do we fund the missing 12k?

We need your help! Each of you can fund the remaining budget.

What if we don't get the 12k together?

It's most likely that the study does not happen

Funding

Donation price - 500 Euro

What you get?

- All Informations about the study
- Early access to Medical paper and protocol
- All study data output of the analysis
 - What is the pathogen, immune response etc.
- You will be part of the second phase of the study, you will be able to test your blood on the developed test kit.
- Invite to the newly launched study platform (communication, paperwork etc)
- HQScience will send you a **donation certificate**
- HQScience will give you a letter stating that you'll receive communication about the study analysis, conclusion, results

To make it clear:

We won't and can't share any study results on Discord, for the reasons we have explained. It is a requirement of the study setup and cooperations we have started.

Funding

Funding

Why a donation and not an invoice?

- With donation taxing won't be an issue and its cheaper for us

What happens if we fund more?

- We will build up a transparent budget and share with the ones participating in donating

How can we know this is not a scam?

With Dualdur testing we demonstrated and hopefully build up trust with you.

HQScience does not charge us any dollar. Stan believes in us.

You will donate directly to HQScience.

You also will get a letter stated that you have donated

Please reach out to us until May 5th 2023!

We have to get commitment, which most people so far did not give us. If you want to see your samples analysed, reach out to us **today**.

What are your next steps?

1. **Write an email to upni@highquality.science** and confirm that you want to donate.
2. **Wait for the response**, it will take us up to 48h to send the informations

I want to

pay 5.6k € for my
blood sample to be
analyzed

or

i donate 500 € to be
kept in the loop!