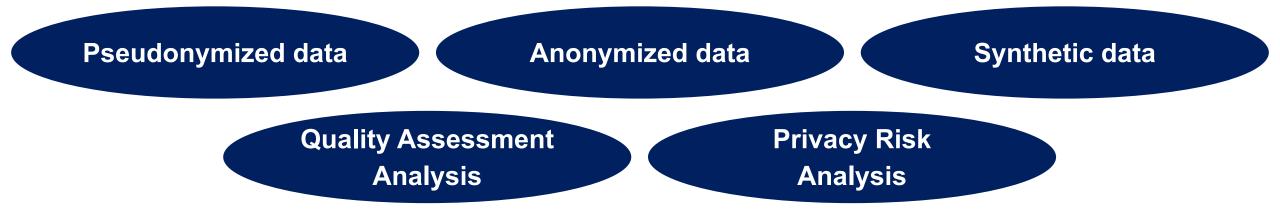




# DEEP TECH COMPANY SPECIALIZING IN PRIVACY ENHANCING TECHNOLOGIES:





#### OUR BACKGROUND

#### **VEIL.AI HAS DEEP ROOTS IN SENSITIVE HEALTH DATA**



• FIMM – Institute for Molecular Medicine Finland – with 230 employees representing tens of nationalities, is *focusing on human genomics and precision medicine* 

(Under the umbrella of the Helsinki Institute of Life Science at the University of Helsinki)

**Key Data Scientists** 

Our key technology experts have an **experience of 20+ years** related to demanding sensitive data management projects, such as:





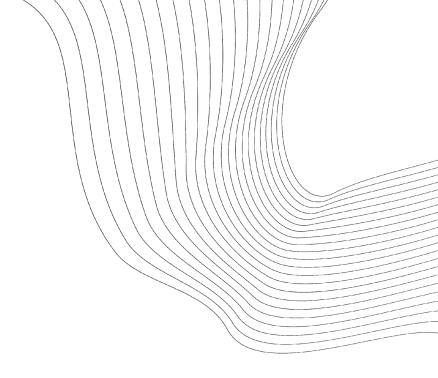




- VEIL.Al a spin-out from FIMM, a deep technology company located at Helsinki Meilahti hospital campus
- Founded in 2019
- Part of BioInnovation Institute's Creation-House program (Science City, Copenhagen)
- Member of the iCAN Digital Precision Cancer Medicine competence cluster



### PROBLEM AND THE NEED





### DATA IS THE ENABLER AND DRIVER OF THE NEXT BREAKTHROUGHS IN MEDICINE AND HEALTH CARE

#### **CHALLENGES:**

Nobody has enough data; re-use and sharing of existing data is a must

Sensitivity of data makes re-use and sharing of data very complicated

### ANONYMIZED & SYNTHETIC DATA HAVE GREAT POTENTIAL IN SOLVING THE PROBLEMS OF DATA SHARING

Often Ask for impossible, consent always slow VEIL.AI has solved Current methods the quality Sensitivity of data Anonymize problems. destroy data makes re-use and or Moreover, our quality sharing of data very Synthetize method works with complicated accumulating data Doesn't solve the privacy Build problem. Poor federations audit trail



## HOW ADVANCED ANONYMIZATION IS UTILIZED BY A GLOBAL PHARMACEUTICAL COMPANY



#### **VEIL.AI IS AN ATTRACTIVE PARTNER**



Jussi Leinonen Strategic Project Lead Bayer

"We want to digitalize clinical trials, improve the health outcomes and reduce the burden on patients

The Future Clinical Trials project aims to speed up drug development and increase safety by forming an ecosystem that is built on world-class artificial intelligence, unique health datasets and specialized technology providers.

In order to establish a trusted environment in the development of this work, we have selected VEIL.AI to assist us with advanced anonymization and the creation of the anonymization concept."

"Preliminary cost savings estimate is 10-20% depending on the trial. There are also significant drug's time-to-market time savings."





### USE-CASE: VEIL ANONYMIZATION ENGINE HELPS PHARMA TO EXECUTE CLINICAL TRIALS OF TOMORROW

"Future Clinical Trials" is Bayer's three-year project aiming to

- speed up clinical trials
- reduce costs
- increase patient safety

The target is to improve Bayer's drug research practices worldwide

Bayer chose VEIL.AI to be their anonymization partner

- Creation of data anonymization concept in order to re-use of (clinical) data
- Advanced anonymization of data for External control arm
- Advanced anonymization of Randomized Clinical Trials data
- Improve Bayer's Data Science capabilities by bringing advanced anonymization to their data analysis platform
- Merging the subject-level advanced anonymized data with RCT data at Bayer environment
- Anonymized RWD and RCT
- Preliminary cost savings estimate is 10-20% depending on the trial. There are also significant drug's time-to-market time savings



### USE-CASE: ANONYMIZED DATA TO BUILD A VIRTUAL CONTROL ARM IN A ONE-ARM CLINICAL TRIAL

A research article "Utilization of anonymization techniques to create an external control arm for clinical trial data" under the review process in BMC Medical Research Methodology paper.

The aim of this study was to investigate and compare how well pseudonymized and anonymized RWD perform in the creation of an ECA for an RCT.

The article can be found here: https://www.researchsquare.com/article/rs-2727105/v1





### THE MOST EXPERIENCED EUROPEAN TEAM IN ANONYMIZATION OF HEALTH DATA

#### **Commercial Team**



Tuomo Pentikäinen
CEO
20+ years of experience in
the management of
data-intensive international
startups and scale-ups.



Kari Lehtipuu
CCO
25Yr+ sales and marketing
experience at C-suite.
Long medical background.



Timo Miettinen
CTO
20+ years experience in
data management, data
engineering, and
high-performance
computing in health data.



**Technical Team** 

Mehreen Ali Research Director PhD candidate, Machine learning in genomics.



Max Salmi CPO 10Yr+ sales and product mgmt in health / genomics data.



**Lauri Kuronen**Key Account Manager



Daniel Ngyuen
Growth Marketing
Manager



Robert Mills
Senior Data Engineer

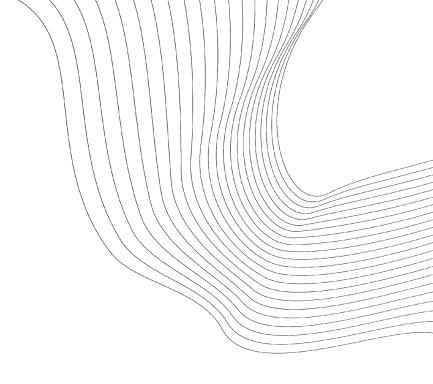


John-Olof Hansson Head of Cloud Operations



Kimmo Pääkkönen Senior Data Researcher

### **ABOUT BII CREATION HOUSE**





#### **PROCESS**

- First application in September 2021
  - rejected because we were considered to be too mature, encouraged to apply for a more advanced programme (Creation house, now Venture house)
- Second application in November, 2021
- Info that we were shortlisted, December 2021
- DD + Reference call, January-February 2022
- Pitch, February 2022
- Acceptance, February 2022
- CLA of 10M DKK negotiations March-June, 2022
  - signing June 2022
  - formal start of the collaboration June 2022
  - VEIL.AI Denmark ApS established, June 2022
- Actual work started, August 2022



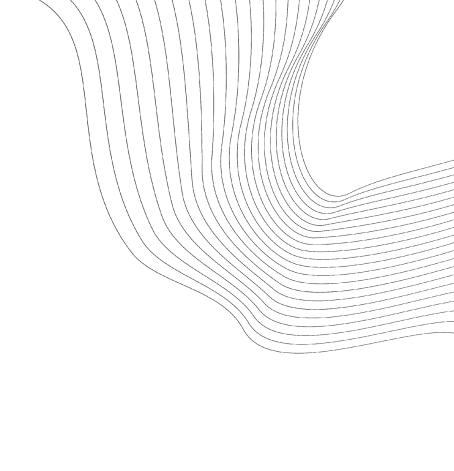
#### **EXPERIENCES**

- Very useful and professional DD process and pitching
- Very good node for activities
  - but requires active presence in CPH
- Business Finland has been very helpful
- Intellectual support from staff and peers
- BII has amazing commercial networks, they can open doors, but don't expect too much
  - most of their portfolio companies are very clearly pre-revenue
- They have very good VC network, a lot of pitching possibilities
  - (the machine has been optimized for a major A round)
- BII is very well-known and adds your credibility
  - Customers and investors know and follow the BII
  - Very high caliber people are willing to come to see us in the BII premises!
- Any minuses?
  - Some red tape (milestone follow-up), but manageable and understandable amount

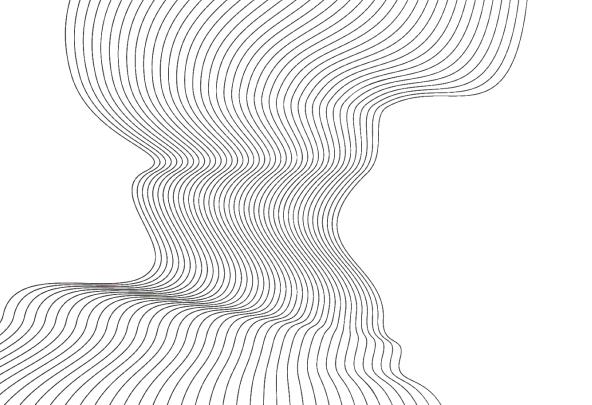


### **SHOULD YOU APPLY**

## IF YOU QUALIFY -> DEFINITELY







### THANK YOU

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**VEIL.Al has re-invented anonymization** in a way that solves access to data and data quality problems. This revolutionaizes how data intensive medical and health care research and operations will be made.