



FINGENIOUS®

**The digital gateway to Finnish biobanks
and biomedical ecosystem**

4.12.2019 Marco Hautalahti



Finnish Biobanks

– FINBB

- + *FINBB is a One-Access-Shop for effortless access to Finnish biobank materials and biodata*
- + *We serve researchers both from academia and industries*
- + *Our way of doing is to co-create services and products together with our customers and founding partners*
- + *We return the value back to Hospitals and Universities in Finland*



Founding Partners

UNIVERSITES



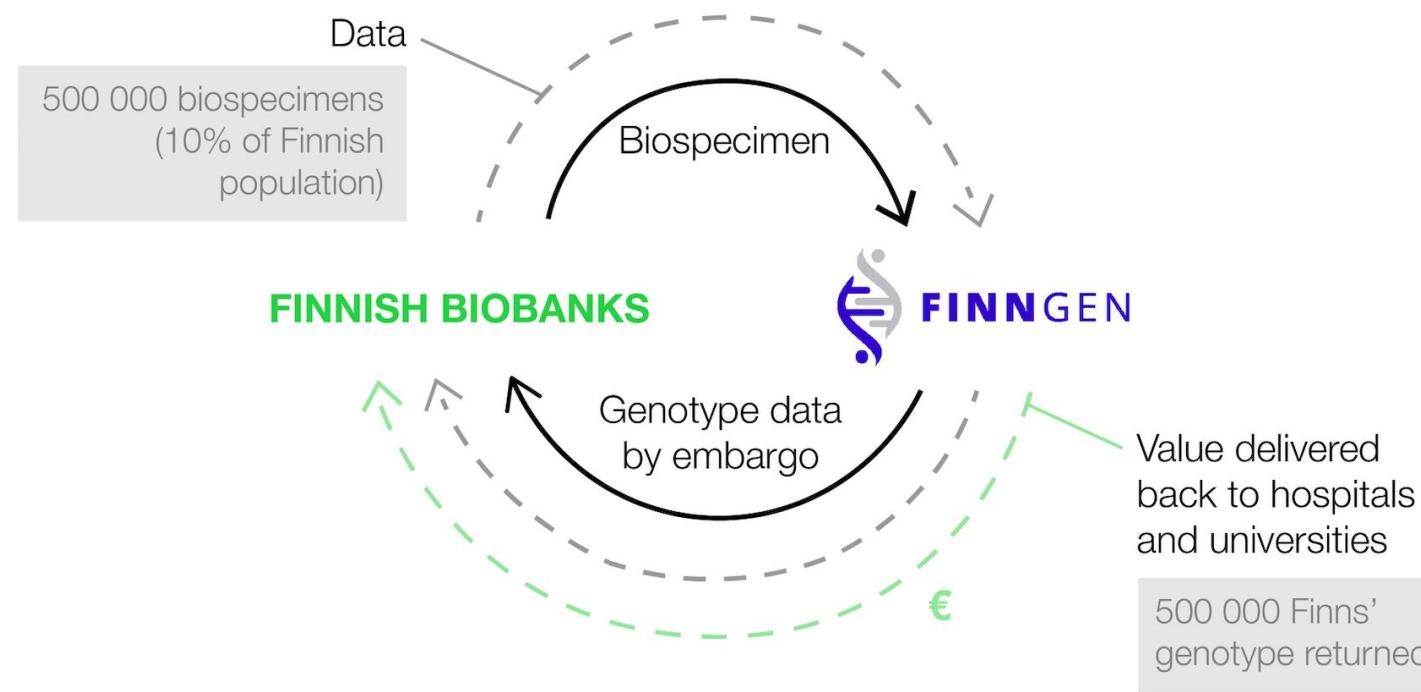
HOSPITAL DISTRICTS



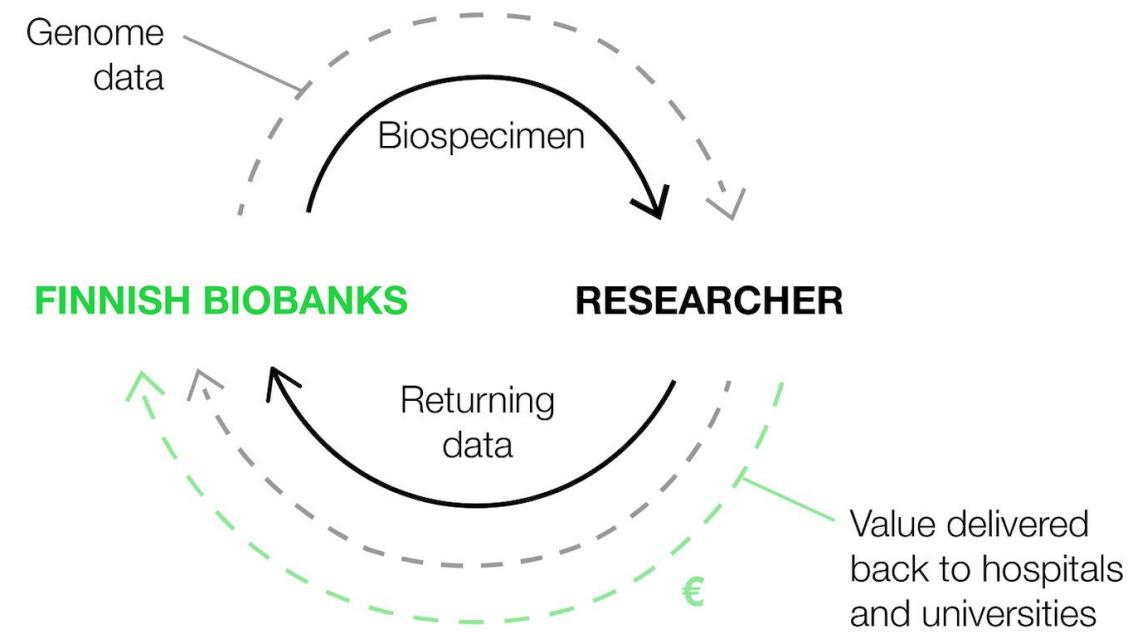
STATE



Partnership of the Finnish biobanks and FinnGen



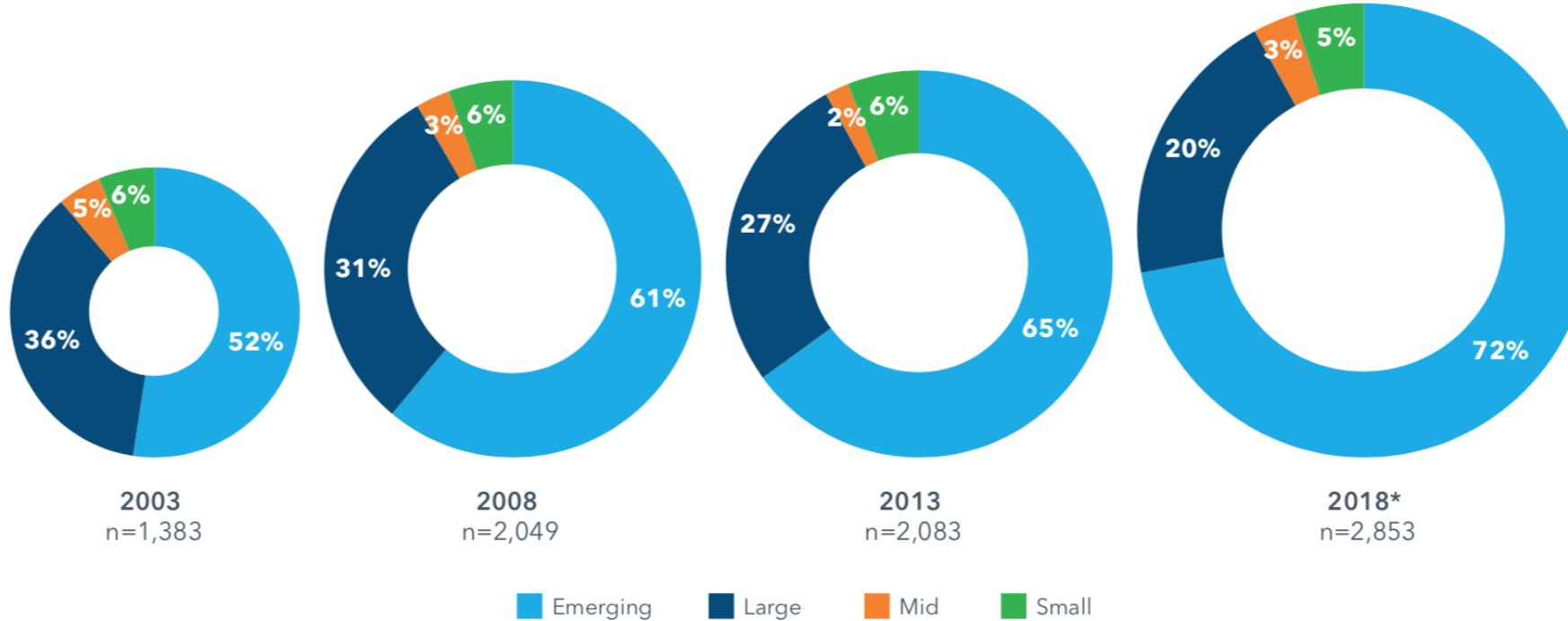
Unique opportunities for researchers



Untapped market opportunities for Finnish biomedical R&D ecosystem players

Emerging biopharma companies now account for over 70% of the total R&D pipeline

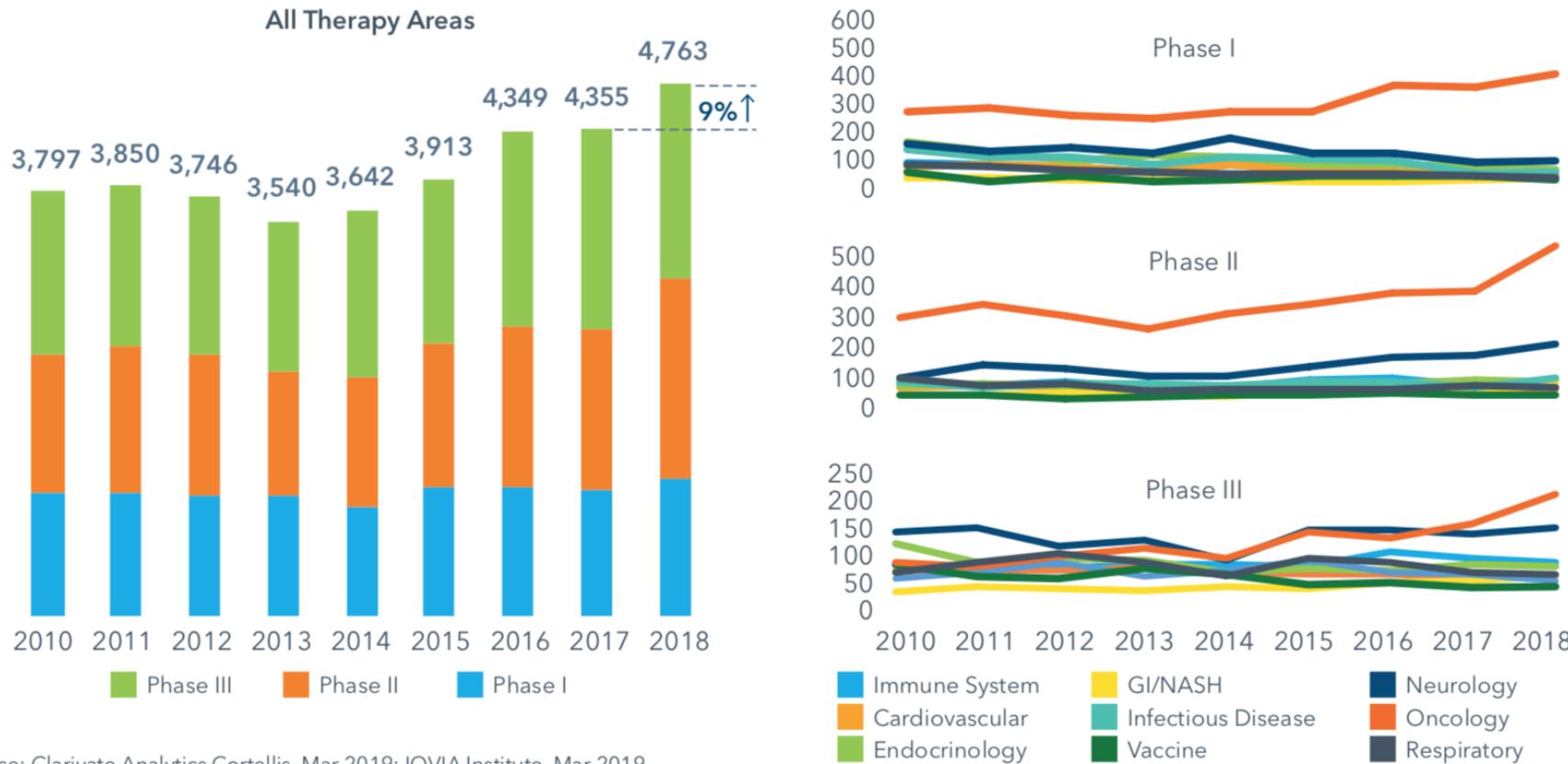
Exhibit 9: Percent of Late-Stage Pipeline by Company Segment



Source: IQVIA Pipeline Intelligence, Apr 2018; IQVIA Institute, Mar 2019

The number of clinical trials initiated in 2018 is up 9% over 2017, due partly to an increase in Phase II oncology trials

Exhibit 12: Number of Clinical Trials in All Therapy Areas and Select Therapy Areas by Phase



Source: Clarivate Analytics Cortellis, Mar 2019; IQVIA Institute, Mar 2019

Worldwide Total Pharmaceutical R&D Spend in 2010-2024

Source: Evaluate, May 2018





- + Understand disease mechanisms
- + Find new drug targets

→

- + Find the right patients efficiently (recall)
- + Rare diseases, defined genetic profiles
- + Understand the burden of disease

→

- + Understand responders vs. non-responders
- + Increase the quality of health economy data creation and collection

FINLAND: UNIQUE OPPORTUNITY TO COMBINE GENOME DATA WITH HOSPITAL REGISTRY DATA



FINGENIOUS®

**The digital gateway to Finnish
biobanks and biomedical ecosystem**

18.12.2019 Helsinki, Biomedicum 1



Your gateway to Finnish biospecimens and data



FOUNDING UNIVERSITIES



HELSINKIN YLIOPISTO
HELSINGFORS UNIVERSITET
UNIVERSITY OF HELSINKI



FOUNDING UNIVERSITY HOSPITALS



FINNISH HOSPITAL DISTRICTS



BIOBANKS



STRATEGIC COLLABORATION



Cancer Center

Genome Center



FINGENIOUS®

- + Patient, data and sample finding
- + Study set-up & single point of contract
- + Data and sample delivery & analytics

**RESEARCHERS
FROM ACADEMY
AND INDUSTRY**



FINGENIOUS® Catalogue

All hospital biobanks
Launch: **Dec 18th 2019**



ICD10 Catalogue

Find samples and potential clinical trial subjects quickly by browsing the public biobanks' collections.

Sketch your study faster

FINGENIOUS® Feasibility

All public biobanks
Feasibility report 2-3 weeks



Feasibility request

Plan your study smartly by requesting detailed sample and data availability information from the public biobanks with a single form.

Plan your study smarter with less effort and a wide outreach

FINGENIOUS® Access

All hospital biobanks
Access decision 4-8 weeks



Access request

Access samples and data at the hospital biobanks with less effort by completing a single application form.

Start your study with less paperwork



Further development on-going



The digital gateway to Finnish biobanks and biomedical ecosystem

18.12.19 Sali 1, Biomedicum 1, Haartmaninkatu 8 Helsinki or join online
webinar

17:15

Opening words

FINBB, Finnish Biobank Cooperative

17:20

Genotype data returning to the biobanks: Research opportunities

Prof. Mark Daly

Director of the Institute for Molecular Medicine Finland (FIMM), University of
Helsinki

17:40

What makes Finnish biobanking landscape world-class?

Prof. Olli Carpén

Scientific Director, Helsinki Biobank/
Professor of Pathology, University of Helsinki

18:00

Introduction to the Fingenious service

FINBB, Finnish Biobank Cooperative

SAVE THE DATE 18.12.19

18:15

Finland as a research lab and benefits of Fingenious: a pharma perspective

Heiko Runz, MD

Head of Medical Genetics, Biogen

18:35

Closing words

FINBB, Finnish Biobank Cooperative

18:40

Meet and mingle

Food and drinks reception

19:15

End of event