



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



UNIVERSITIES



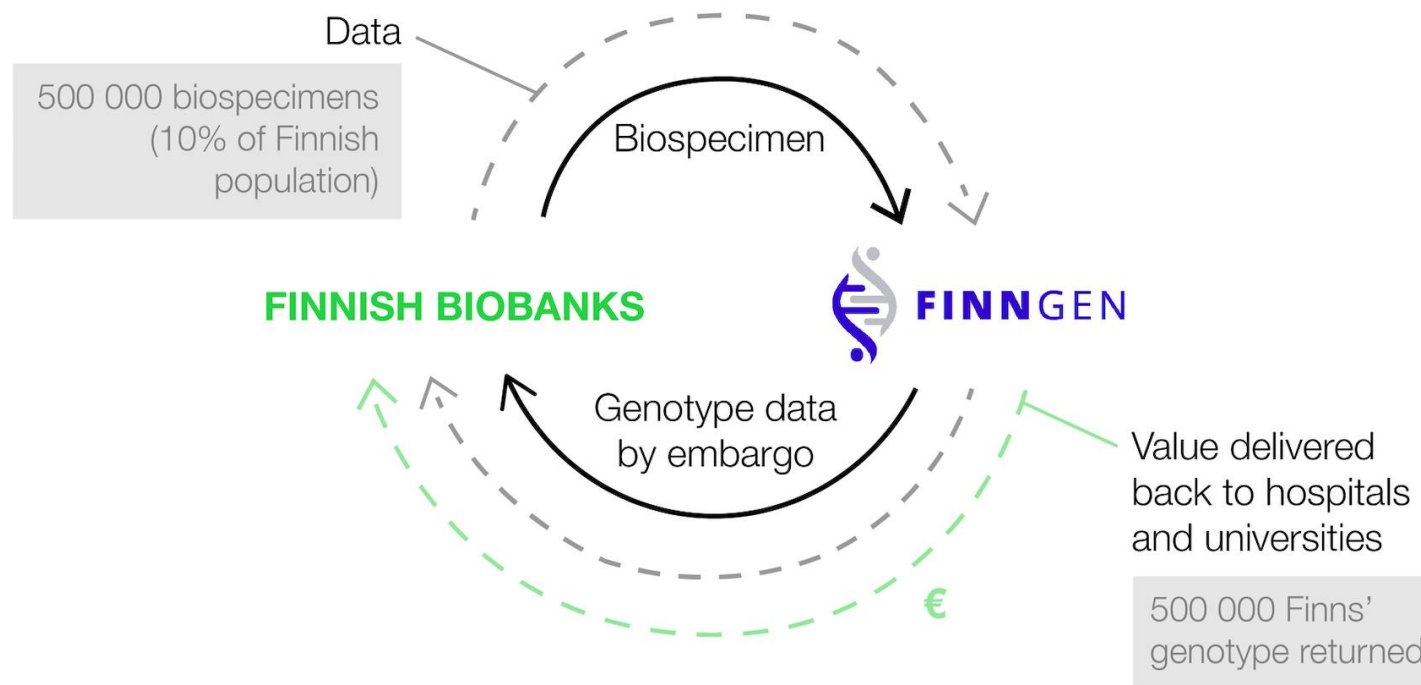
HOSPITAL DISTRICTS



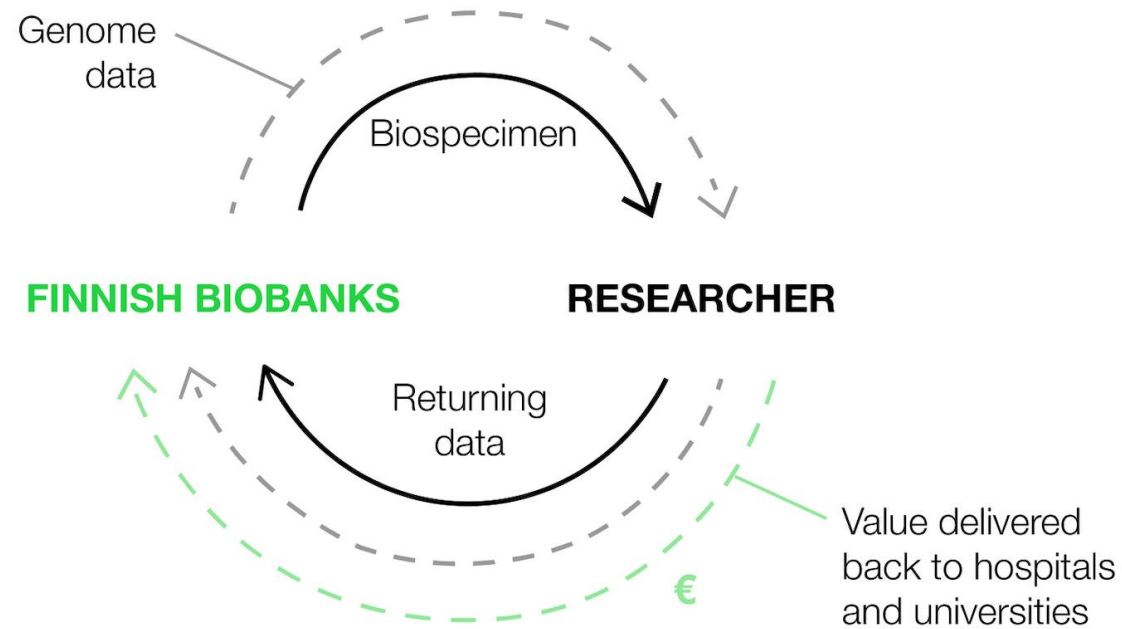
STATE



Partnership of the Finnish biobanks and FinnGen



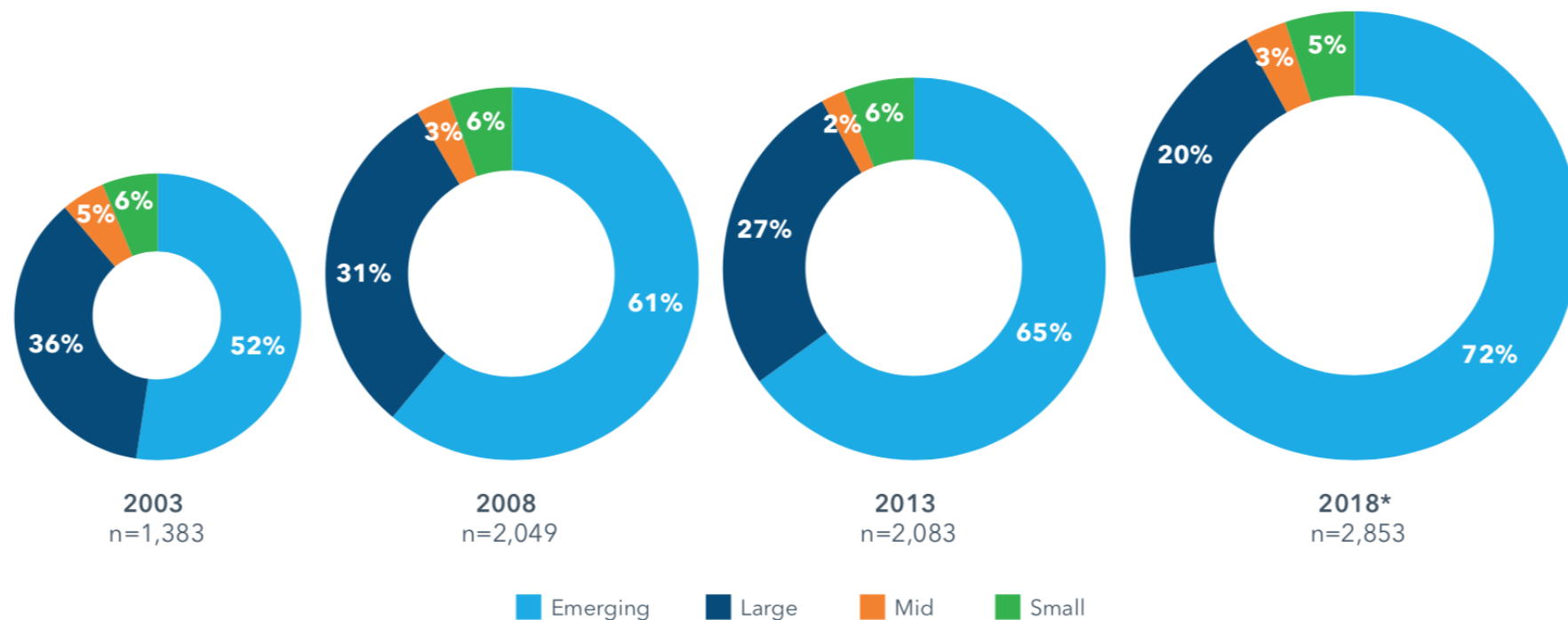
Unique opportunities for researchers



Untapped market opportunities for Finnish biomedical R&D ecosystem players

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

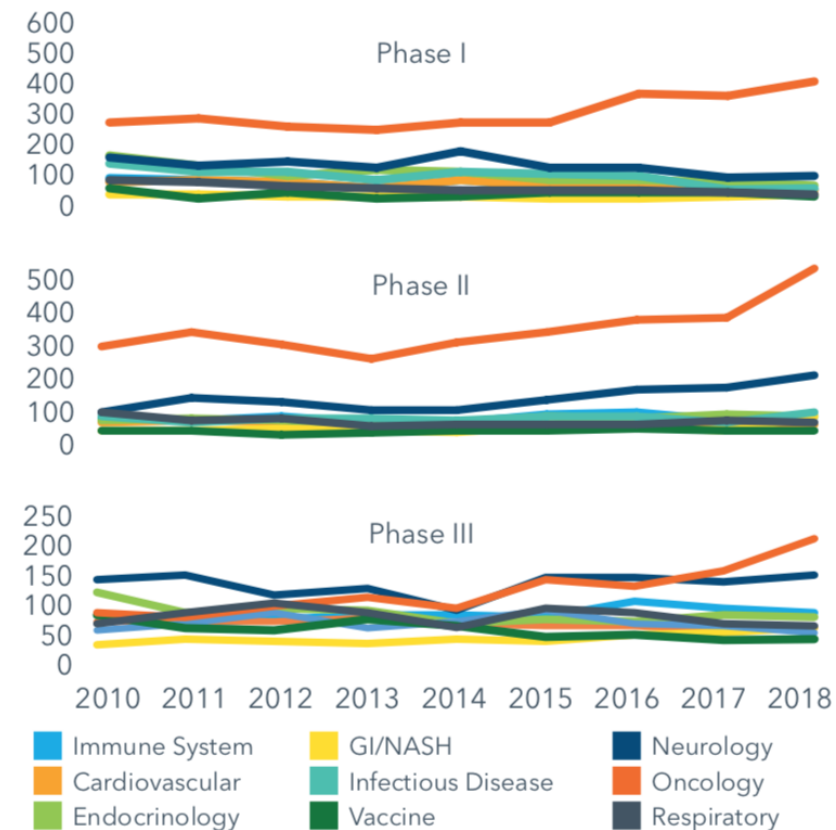
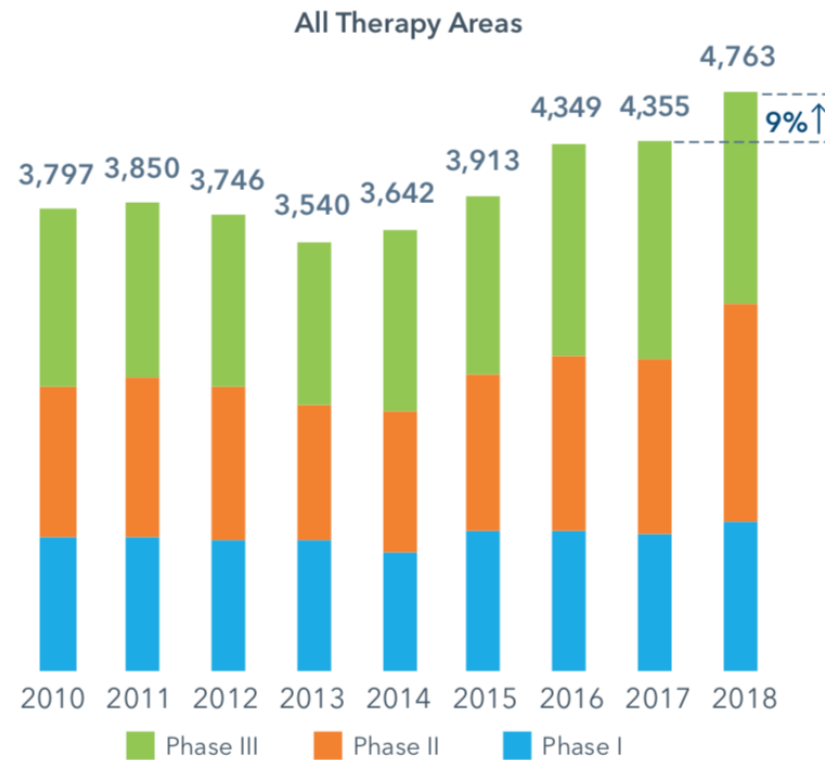
Exhibit 9: Percent of Late-Stage Pipeline by Company Segment



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

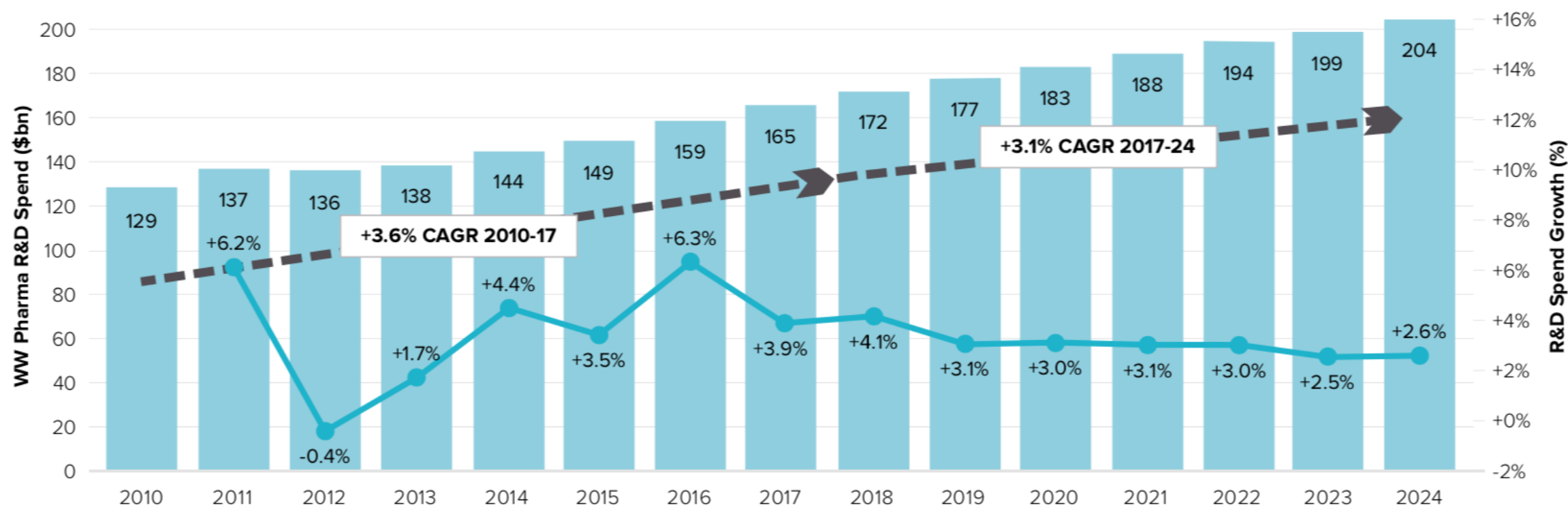
Exhibit 12: Number of Clinical Trials in All Therapy Areas and Select Therapy Areas by Phase



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, Biomedcum 1



Your gateway to Finnish biospecimens and data

FOUNDING UNIVERSITIES



HELSINGIN YLIOPISTO
HELSINGFORS UNIVERSITET
UNIVERSITY OF HELSINKI



UNIVERSITY OF
EASTERN FINLAND



UNIVERSITY OF OULU



Turun yliopisto
University of Turku



JYVÄSKYLÄN YLIOPISTO
UNIVERSITY OF JYVÄSKYLÄ

FOUNDING UNIVERSITY HOSPITALS



Kuopion yliopistollinen sairaala



OULUN
YLIOPISTOLLINEN
SAIRAALA



Turun
yliopistollinen
keskussairaala

FINNISH HOSPITAL DISTRICTS



BIOBANKS



HELSINGIN BIOPANKKI
HELSINGFORS BIOBANK
HELSINKI BIOBANK



STRATEGIC COLLABORATION



FINNGEN



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®



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