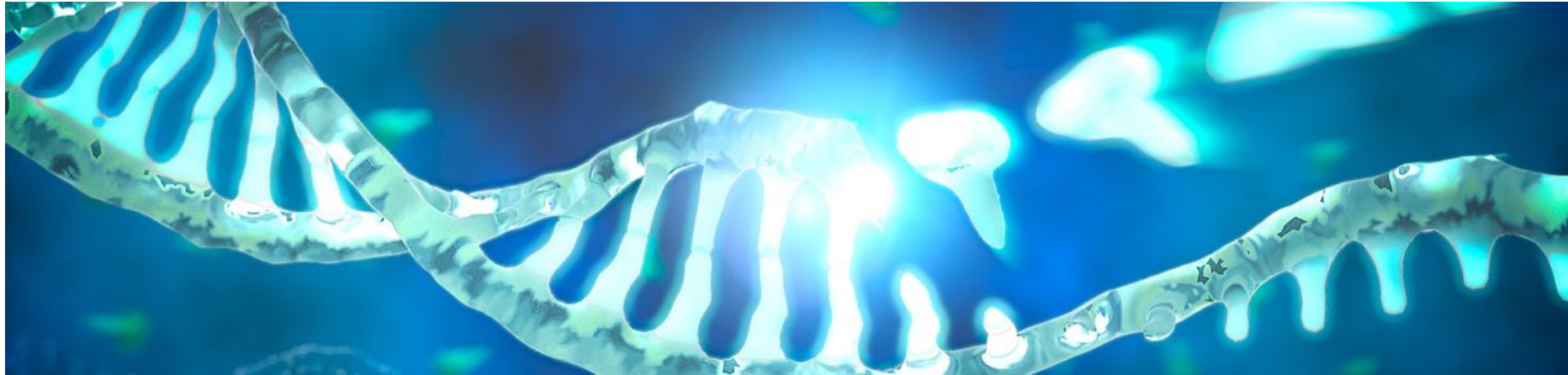


Vad betyder biobanksprover för AstraZeneca?

Karin Gedda

Nationell Biobankskonferens

27 Mars 2019



Background - AZ global Biobank

AZ Gothenburg Biobank - usage of samples

Future - challenges



Global AZ Biobank

Vision:

- To collate, store and distribute annotated human biological samples (HBS), in full compliance with ethical and legal standards, to support the discovery of innovative medicines and personalised healthcare

AZ Biobanks offer:

- Oversight and governance of all HBS
- Access to the right commercial sources and partners (incl. due diligence and ethics)
- Visibility and access to the right HBS at the right time for scientists

ABBA – AstraZeneca Biobank Application:

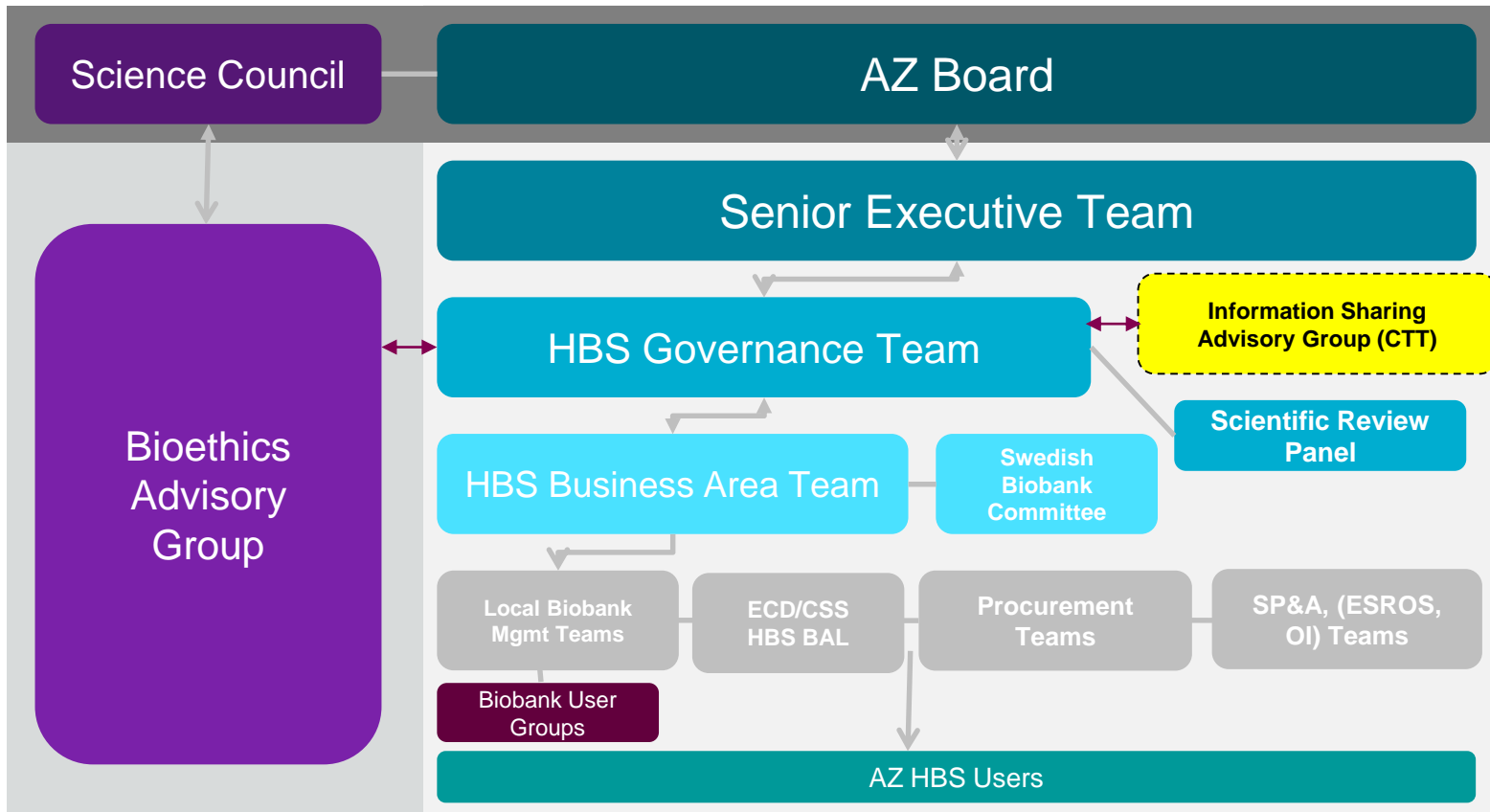
- Fully validated database used to track samples and requests



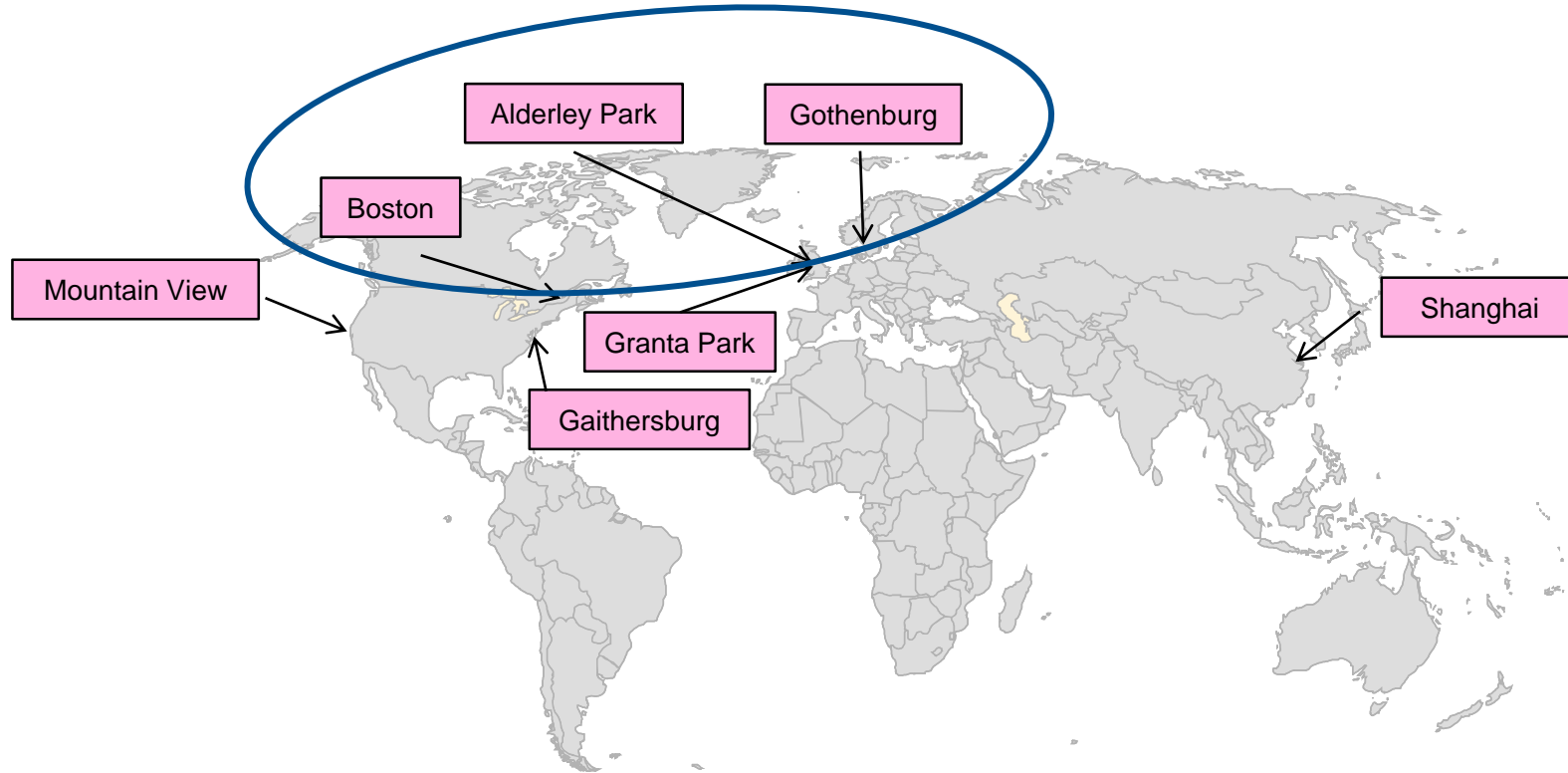
HBS - Compliance and Biobank Operational Frameworks

Compliance Framework

Global Biobank Strategy and Operations



Global AZ R&D sites with biobanking capabilities

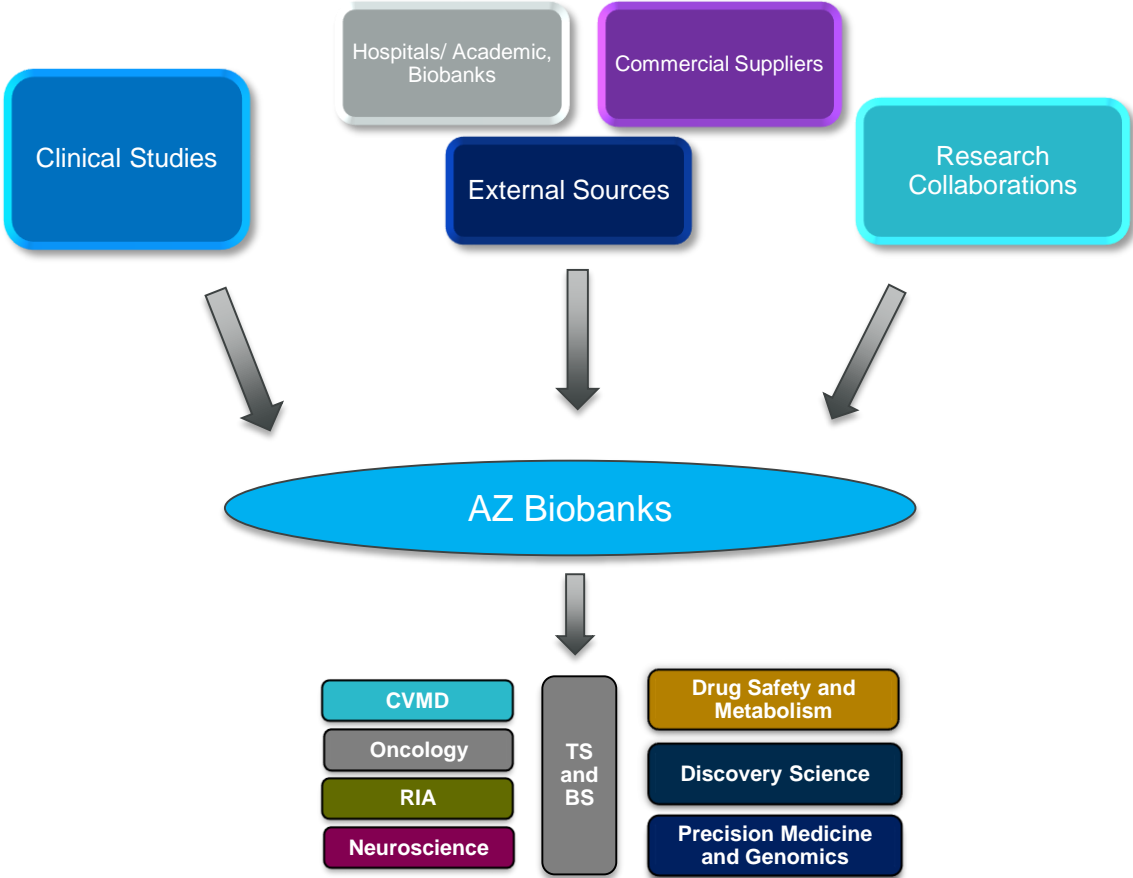


AZ global Biobank

	Gothenburg	UK	Boston
#samples	1 200 000	1 100 000	30 000
Therapeutic areas	CVRM, RIA, NS	Oncology, DNA bank	Oncology



Sources of HBS for use in AZ research



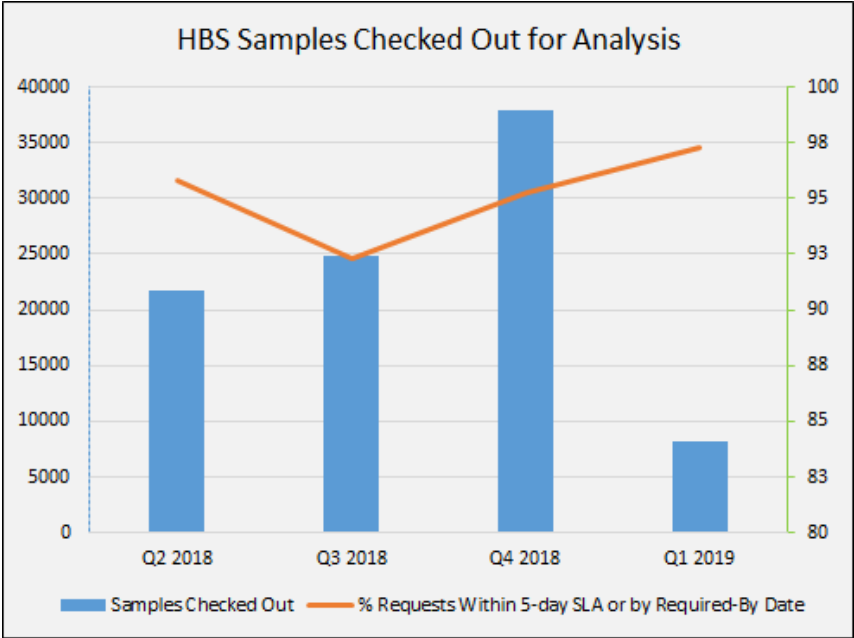
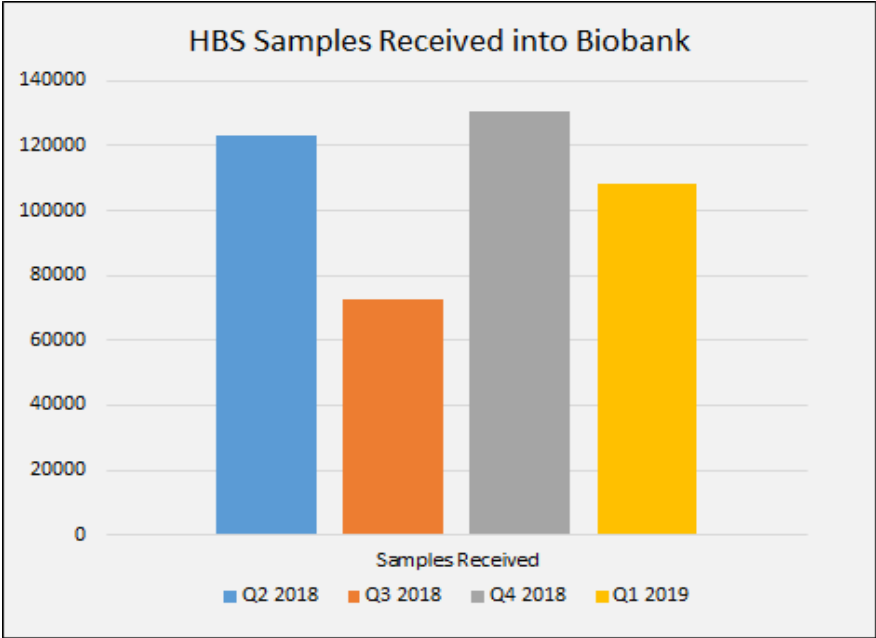
Sourcing of new HBS for scientists



- Single portal co-developed by AZ and scientist.com
- Facilitates simple, swift and compliant access to samples not available in the AZ Biobank
- Ethics and due diligence completed prior to entry to the approved pool
- Automated contracting incorporates CDAs, MTAs and research agreements

- Average ~6 days from request to quote
- AZ has sourced HBS from 73 different suppliers/biobanks through AIM since roll-out

Sample flow in AZ Global Biobank



Gothenburg Biobank

- Gothenburg Biobank was established in 2005 to ensure safe storage of Human Biological Samples (HBS), in compliance with the Swedish Biobank Law, the Data Privacy Law, and the Ethical Review Law
- Gothenburg Biobank contains 1.2 million samples today (e.g blood, plasma, urine, DNA, sputum)
- Majority is frozen biofluids (60 -80 freezers)



Impact of AZ Biobank samples

Supporting AZ Genomics Initiative

providing samples for Proof-of-concept in CKD by combined genetic analysis of 2 cohorts

Rapid turnover of samples, from clinical trial to scientist, to support oncology projects

3 500 samples in high priority request picked and shipped in less than 4 days to support testing of COPD biomarkers to identify specific subset of patients

44 000 plasma samples (out of 90 000 in collection) checked out and shipped for analyses in 6 weeks



Impact of AZ Biobank

Global visibility of samples

Biobank samples close to therapeutic area

- Rapid access to samples

- Awareness of samples

- Share knowledge between scientists

Collaborations

- Rapid access to fresh samples



Future - challenges

Increased number of samples from clinical trials – sample integrity

Quality of samples in the AZ biobank

Future use – how to make the best use of the samples
what samples are available
how can they be used



Tack för er uppmärksamhet!

