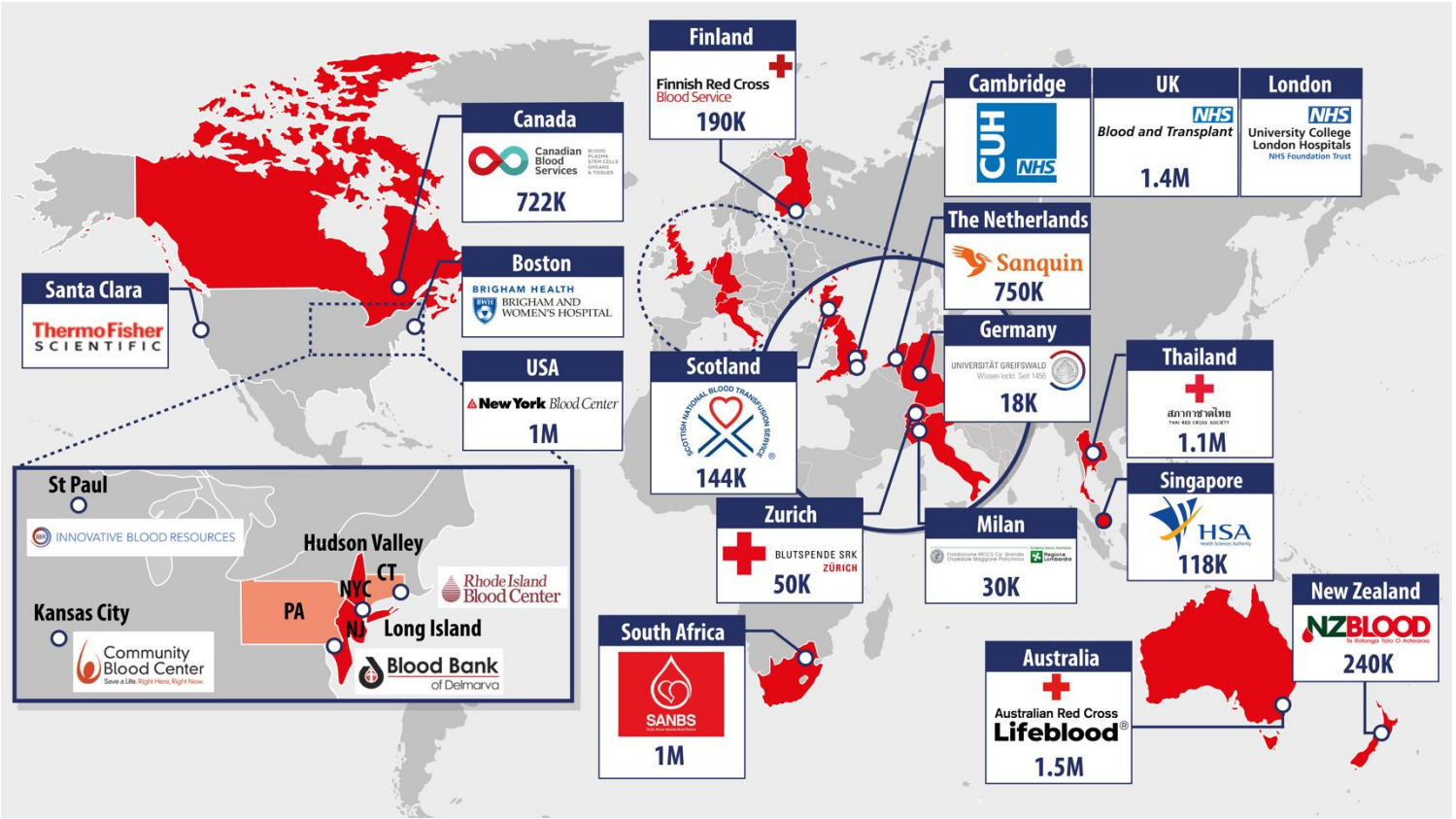


# The Blood transfusion Genomics Consortium

*brings together a range of skills and expertise to deliver precision transfusion medicine*



Principal Investigators	
<i>Willem H Ouwehand</i>	Cambridge
<b>Andrea Harmer</b>	London
Ellen v.d. Schoot	Amsterdam
<i>Connie Westhoff</i>	New York
William Lane	Boston
<b>Shantanu Kaushikkar</b>	Santa Clara
James Daly	Melbourne
Celina Montemayor	Toronto
Jukka Partanen	Helsinki
Ute Jentsch	Johannesburg
Maja Mattle-Greminger	Zurich
Sarah Morley	Auckland
Sara Trompeter	London
Andreas Greinacher	University of Greifswald
Pawinee Kupatawintu	National Blood Centre of Thailand
Luca Valenti	Milan
Jennifer Laird	Scotland
Ai Leen Ang	Singapore
<i>Founding members: bold; Chair/Dep. Chair: italics</i>	

- **10 national, 4 regional** blood services, **4 teaching** hospitals
- **9.2 million** units of blood per year
- **1.1 million new** donors to be engaged each year

# Progress so far



## 2017-2020

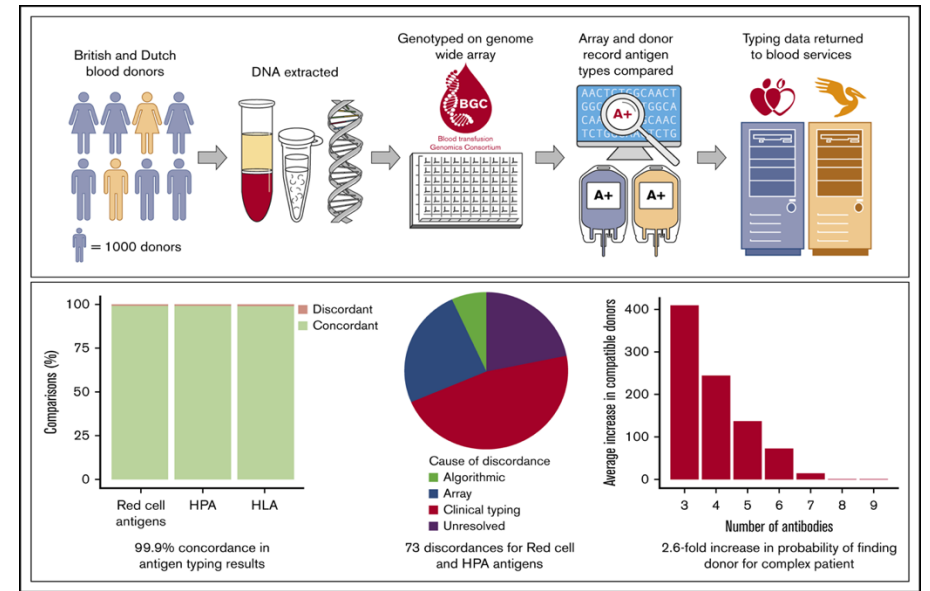
- ✓ Pre-Clinical Study I **delivered**

## 2021

- ✓ Consortium Agreement **signed**
- ✓ Universal Blood Donor Typing array **designed and printed**
- ✓ **14,000 DNA** samples and **accompanying data** in central repository
- ✓ Samples typed on GENETITAN instruments at **three labs**
- ✓ Pre-Clinical Study II completed

## 2022-2024

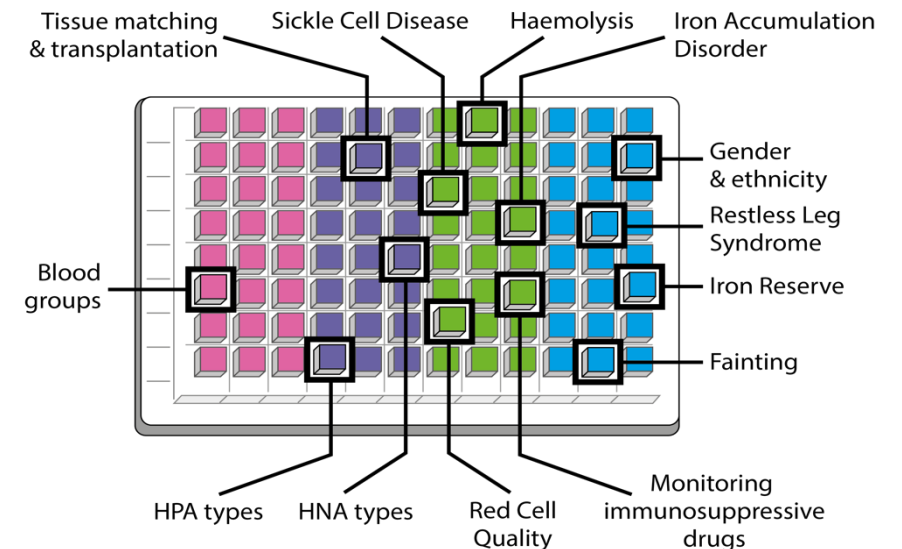
- ✓ Pre-Clinical Study IV completed at **three labs**
- ✓ **92,000 NHSBT** donors genotyped
- ✓ MHRA EUA Regulatory approval
- ✓ Sickle cell/Thalassaemia patients genotyped



Gleadall *et al*, Blood Advances 2020



ThermoFisher  
SCIENTIFIC





For further information



[bgc.io](http://bgc.io)

