



Innovative Medicines Initiative

EBiSC: the European Bank for induced pluripotent Stem Cells

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What is the EBiSC project?



A €35 million, IMI funded project through which 26 leading European organisations will establish a central facility for the collection, testing and distribution of iPS cells to researchers.

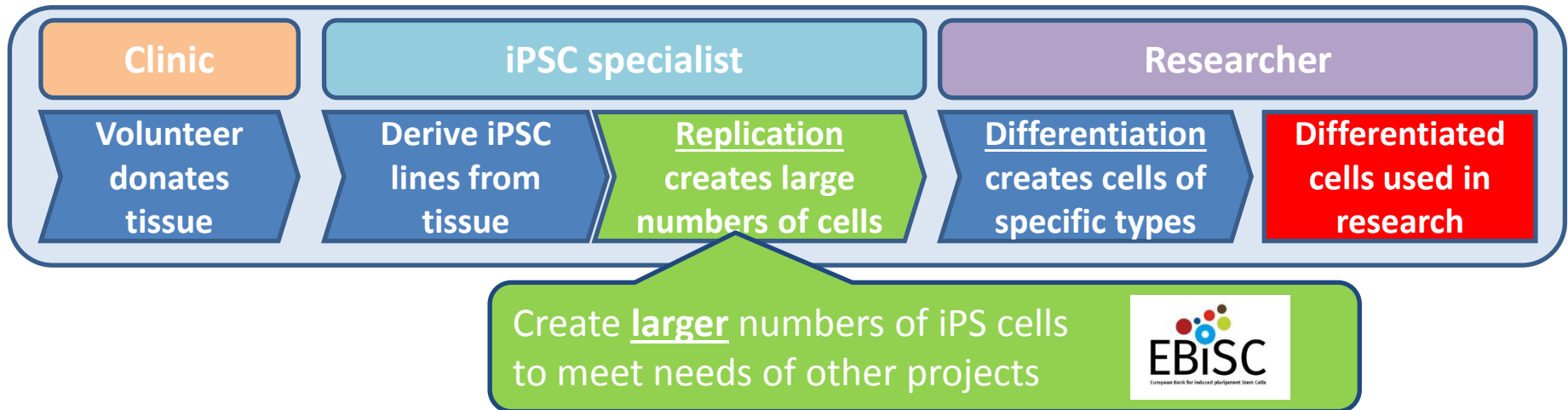


Why create EBiSC?



Without EBiSC:

iPSC based projects which address only one research effort =
a missed opportunity



Why create EBiSC?

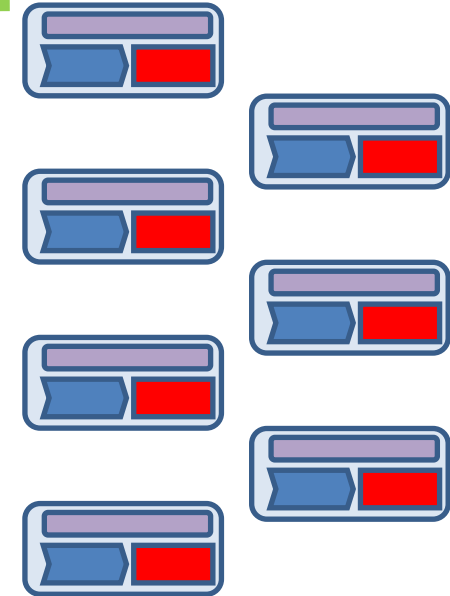


With EBiSC : better use of research assets

Research projects
creating iPSCs

EBiSC

Other researchers



provide samples of iPSC
lines to EBiSC

Creates distribution stocks
& ensures quality

get iPSCs of known quality,
faster & at less cost



What will EBiSC do?



EBiSC : improving the research landscape in Europe

Research projects
creating iPSCs

EBiSC

Other researchers

Establish **central facilities** which use best cell culture technologies to operate at scale

Consent forms & contracts which meet needs of all stakeholders



Create a **catalogue** of cell lines which meet user needs

Common standards for processing and testing cell lines

Data management system which provides extensive data to users but controls access



Who is in the consortium?



- 6 EFPIA members
- 6 SMEs
- 8 Universities
- 5 public agencies
- 1 charity funded institute

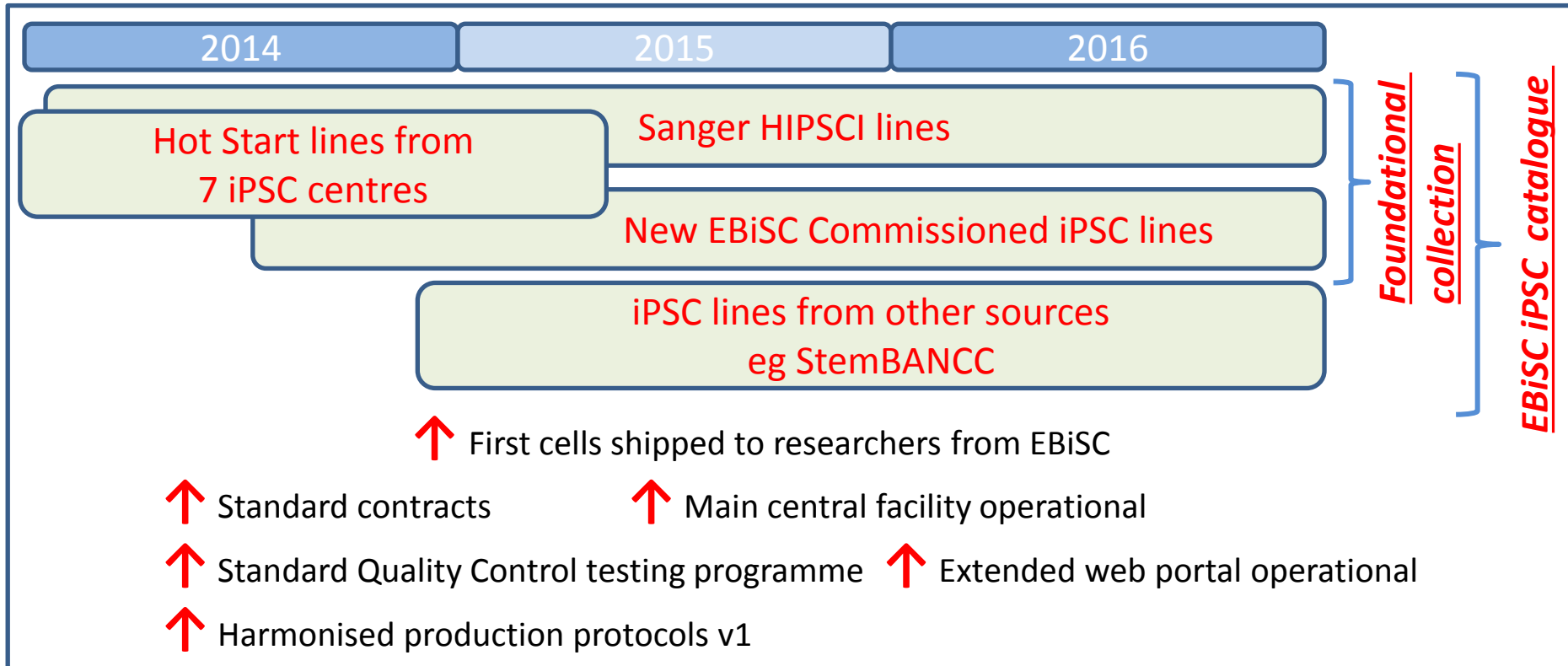
- 9 countries

Large enough to have a **structuring effect** on the EU Research Landscape

Manageable as a multi-centre consortium



When will EBiSC deliver results?



Beyond 2016:

EBiSC will expand its catalogue to meet user demand leading to a self financing operation by 2019.



How will researchers benefit?



EBiSC : a better research landscape in Europe

Research projects
creating iPSCs

EBiSC

Other researchers

- Supports best practice for:
 - procurement of primary tissue
 - derivation of iPSC lines
 - testing lines for quality
- Connections to other researchers.
- Provides simple way to distribute iPSCs to other researchers.



Greater integration of
European Research

- Access to existing lines :
 - Reduced delay & cost
 - More data on actual performance of lines
- Simple contract to access the cells for research
- Access to control lines
- Access point for technology innovation – especially for SME's



How will the public benefit?



A common European approach for iPSC based research

Establishing a central resource will

- define and disseminate best practice for iPSC based research **to tissue donors, their clinicians, research funders, patients etc** as well as to researchers
- provide confidence in current European practice for iPSC based research
- provide a focal point for academics and SME's for technology innovation
- Enable faster more cost effective research.



Thank you



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