

# Edinburgh BioQuarter Overview

Dr Susan Bodie

# Life Sciences Partnership

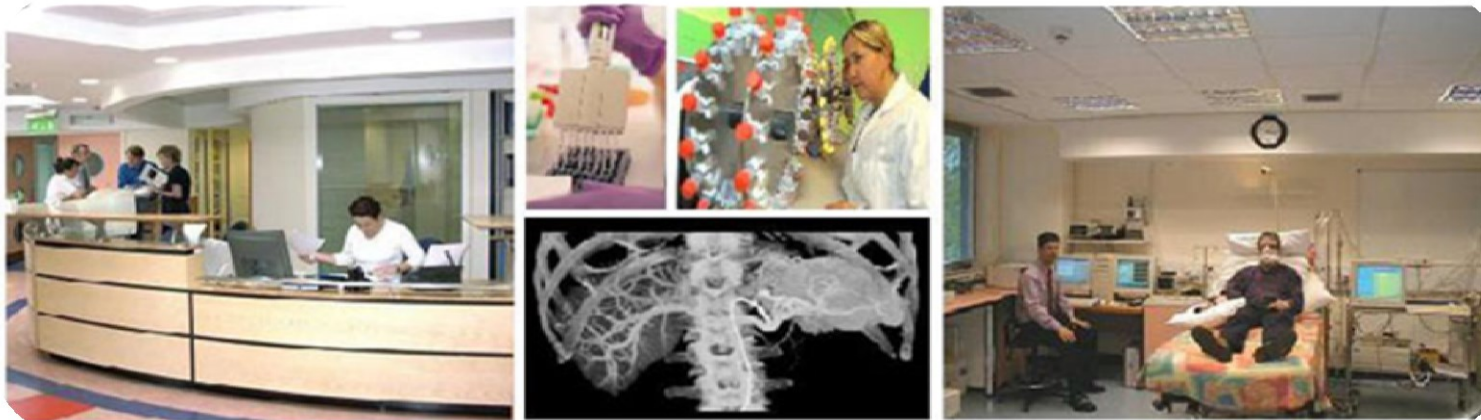


**BioQuarter is a life science commercialisation partnership between four key organisations**



# Objective

*To establish Edinburgh BioQuarter as one of Europe's leading centres for Translational Medicine*

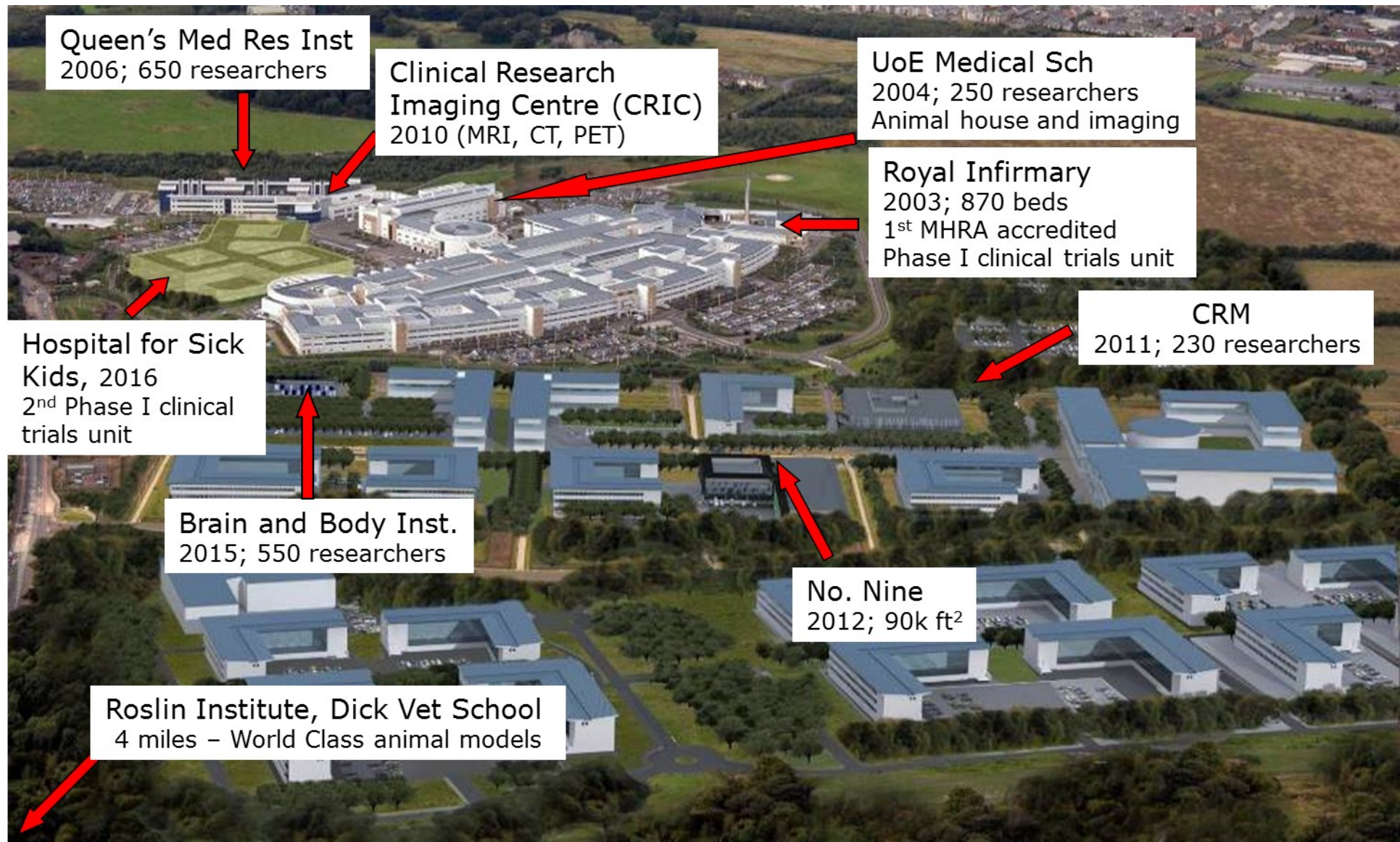


*All located on one campus*

- Clinicians
- Patients
- Industry
- Academic Teaching Hospital
- Scientists
- R&D Facilities
- Clinical Trial Facilities
- Commercialisation Expertise



# Edinburgh BioQuarter



# Scottish Centre for Regenerative Medicine



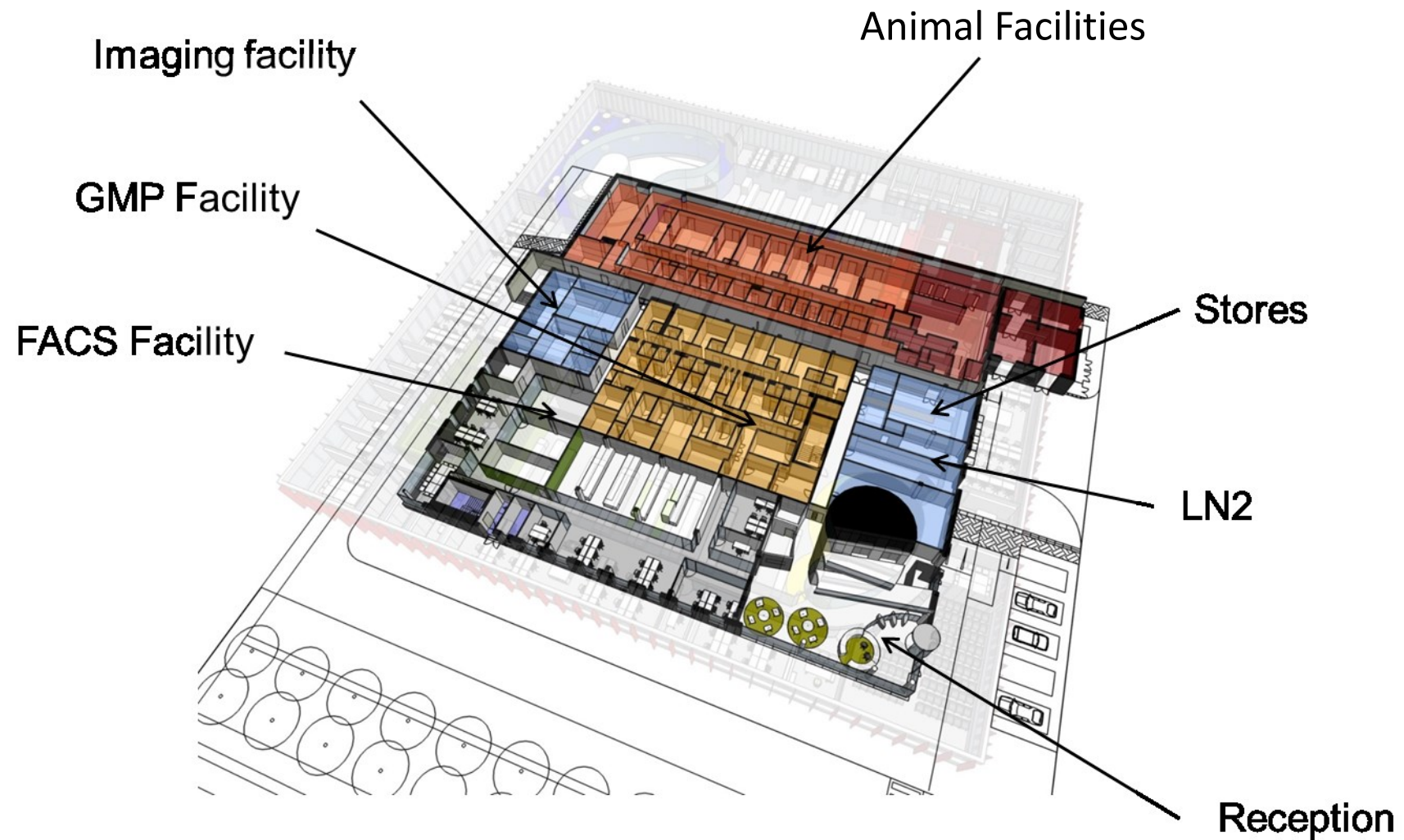
THE UNIVERSITY  
of EDINBURGH

Funded by Scottish Government, SE, ERDF, MRC, BHF & UoE  
9000 m2  
250 Researchers  
20 research Groups





# SCRM



# Regenerative Medicine

## Research in the SCRM is currently organised into 5 Research Themes

- Pluripotency and iPS (Dr Ian Chambers)
- Lineage and Cell Specification
- Neural Differentiation and Tissue Repair (Prof Charles French-Constant)
- Haematopoietic Stem Cell Biology and Regeneration (Prof Alexander Medvinsky)
- Liver Stem Cell Biology and Tissue Repair (Prof Stuart Forbes)



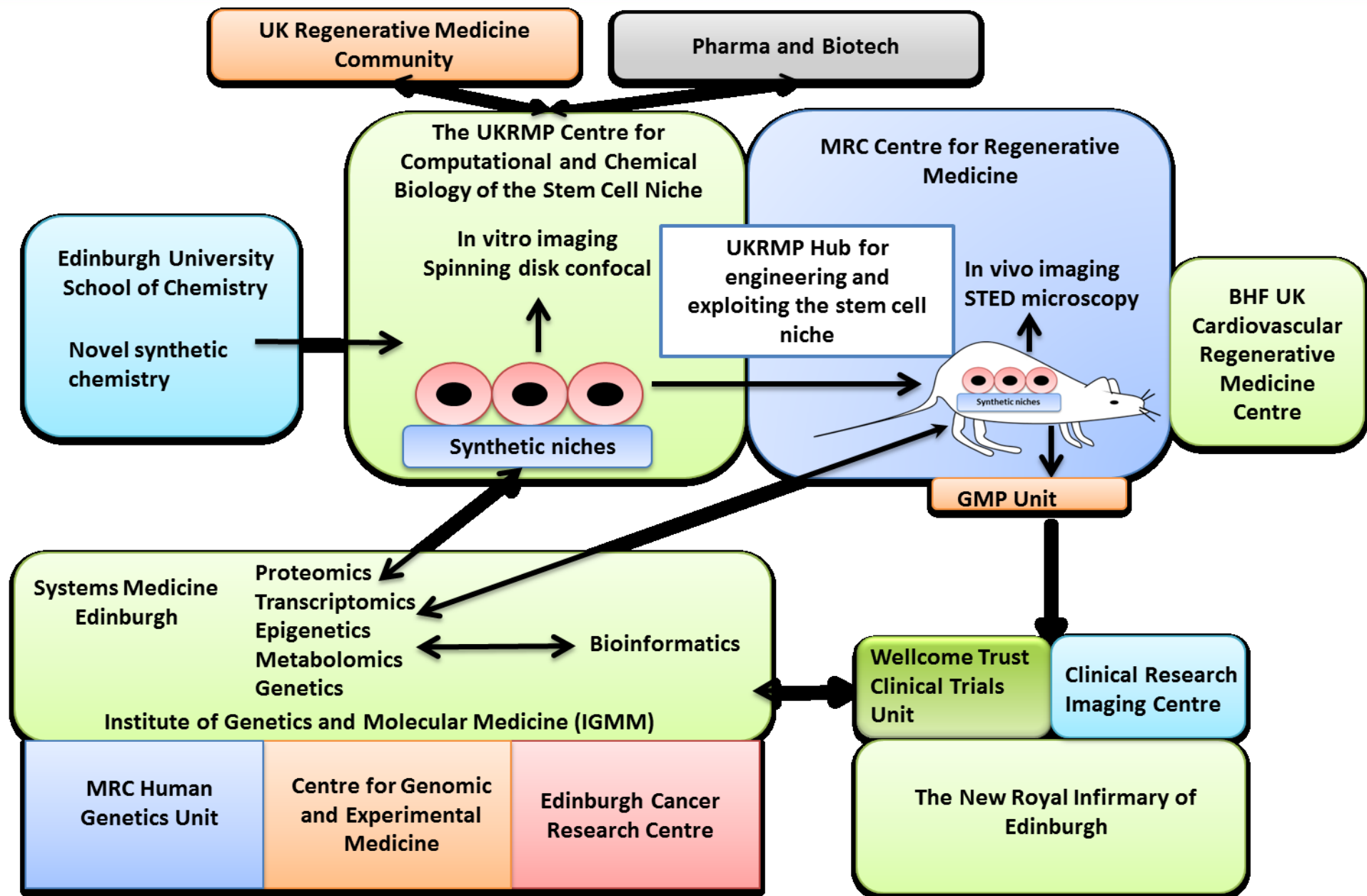
Centre for  
**Regenerative  
Medicine**

# SCRM Facilities

- Centralised cell culture – mouse and human
- Transgenic facility
  - making, importing and preserving genetically modified mice
  - Teratoma assays
  - ES cell transfections for targeting
  - ES cell derivation from blastocytes
- Flow Cytometry
- Quantitative real-time PCR
- Automated in-situ hybridisation
- Histology
  - Specialising in mouse embryonic and embryonal carcinoma tissue
- Animal Facilities
- Imaging Facility
  - Microscopy imaging and analysis
    - Basic stereo and widefield fluorescence to high end confocal systems, fluorescence and lifetime imaging



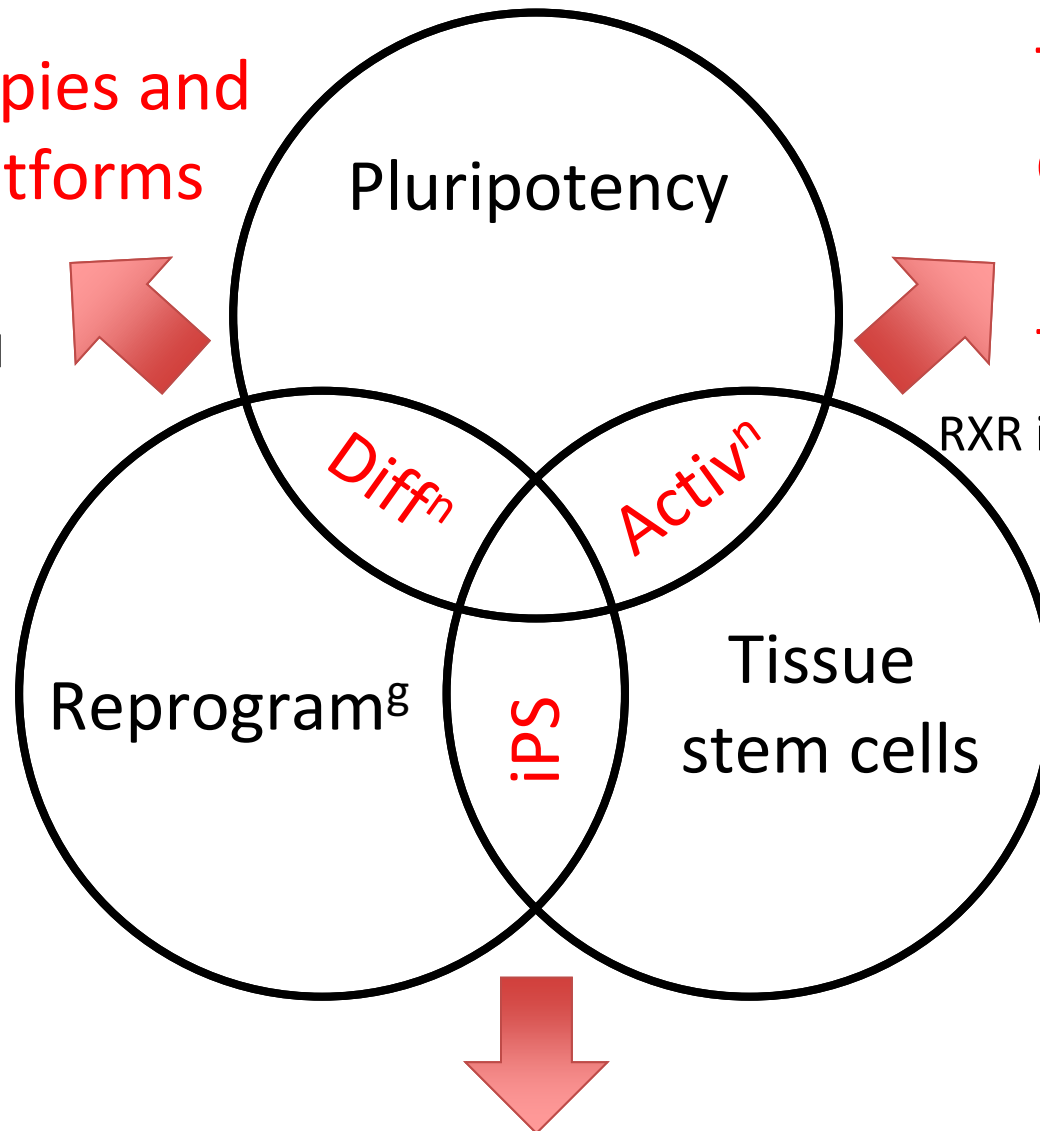
# Regenerative Medicine



# Translation

Cell for therapies and  
screening platforms

Forbes lab MRC  
Peault lab CIRM



Targets for  
drug-based  
regenerative  
therapies

RXR in MS, NMSS funded

Disease modelling

Chandran lab PNAS x2 2013

# Translational Research



*Galecto Biotech*





**For more information:**

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