



Dr Rob Ford
Chair of Knowledge Exchange Group

Research Themes

SULSA was established in 2007 with a focus on 3 research themes

- **Systems Biology** - the ability to characterise and model complete biological processes using a multidisciplinary approach.
- **Cell Biology** –underpins the whole of the life sciences and SULSA provides cutting-edge technologies which include advanced imaging techniques that reveal the ultrastructural details of the cell at unprecedented resolution.
- **Translational Biology** – focussed on the creation of health and wealth from fundamental knowledge of molecular mechanisms in living systems. Aim is to accelerate the identification of novel targets and lead compounds for major and neglected diseases, and will provide new small molecule probes for cell and systems biology.

Advances will create new commercial opportunities for Scotland.

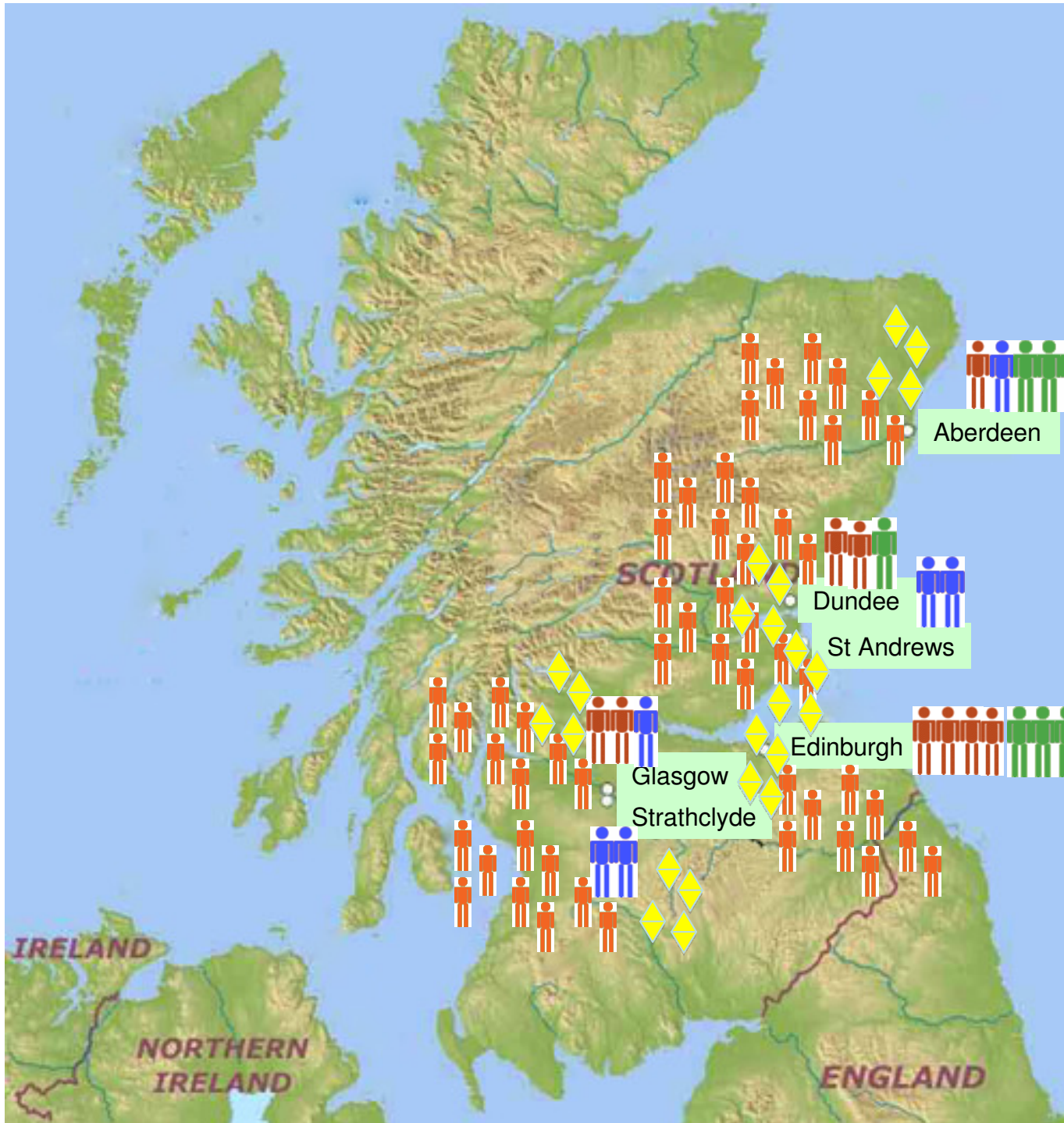
Objectives




To maintain Scotland's competitive-edge in life sciences research, via a strategic partnership in which expertise and resources are shared


- Recruitment of Internationally leading researchers
- Develop infrastructure and facilities
- Contribute to the training of the next generation of scientists
- Enhance our recognised research excellence
- Enhance collaboration not only between institutions but also with industry
- Increase Knowledge Exchange and impact of the research


SUSTAINABILITY

SULSA



 9 new Professors
 6 new Readers
 7 new Lecturers

 52 Studentships
(X 2 institutional supervisors)

 22 facilities:
SHARED ACCESS
ACROSS SULSA

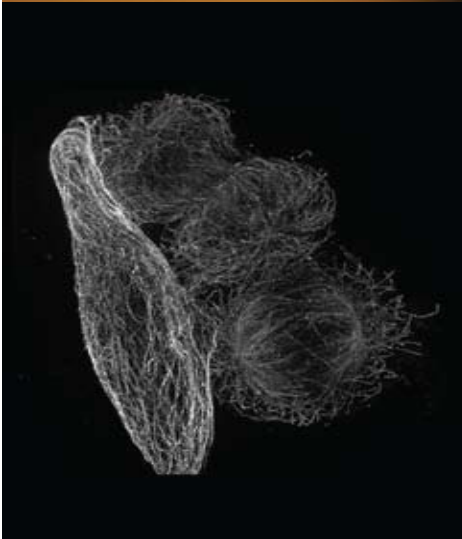
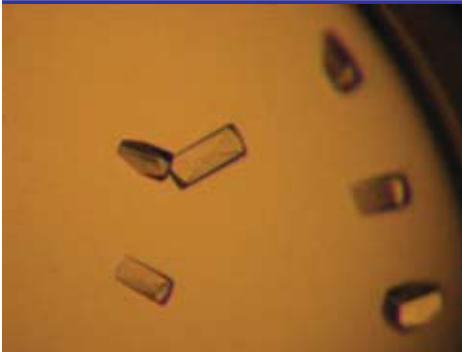
Infrastructure

Facilities established in the following broad areas across Scotland

- Proteomics and Metabolomics
- Next generation DNA Sequencing
- Biological and Biomedical Imaging
- Drug Discovery
- Micro and Nano fabrication
- Transgenics

Further details and how to gain access is available at

<http://www.sulsa.ac.uk/facilities>



Collaboration

To date:

- Created a solid foundation
- Increased collaboration between Universities
 - Facilities
 - Studentships
 - Drug discovery and compound screening

Future:

- Increase industry collaborations via undergraduate placements, industrial studentships and academic industry interchanges
- Broader research collaborations leading to commercial opportunities

Objectives during 2010 - 2012

- Increase Impact across all Institutions
 - Technology Showcases (next event is 7th April, Strathclyde)
www.sulsa.ac.uk/facilities/strathclydeapril2010
 - Enhance PhD student training
 - Stimulate collaboration
 - Increase engagement with industry
- Link with other research pools
- Sustain activities
- Ensure funding is available for continued support