

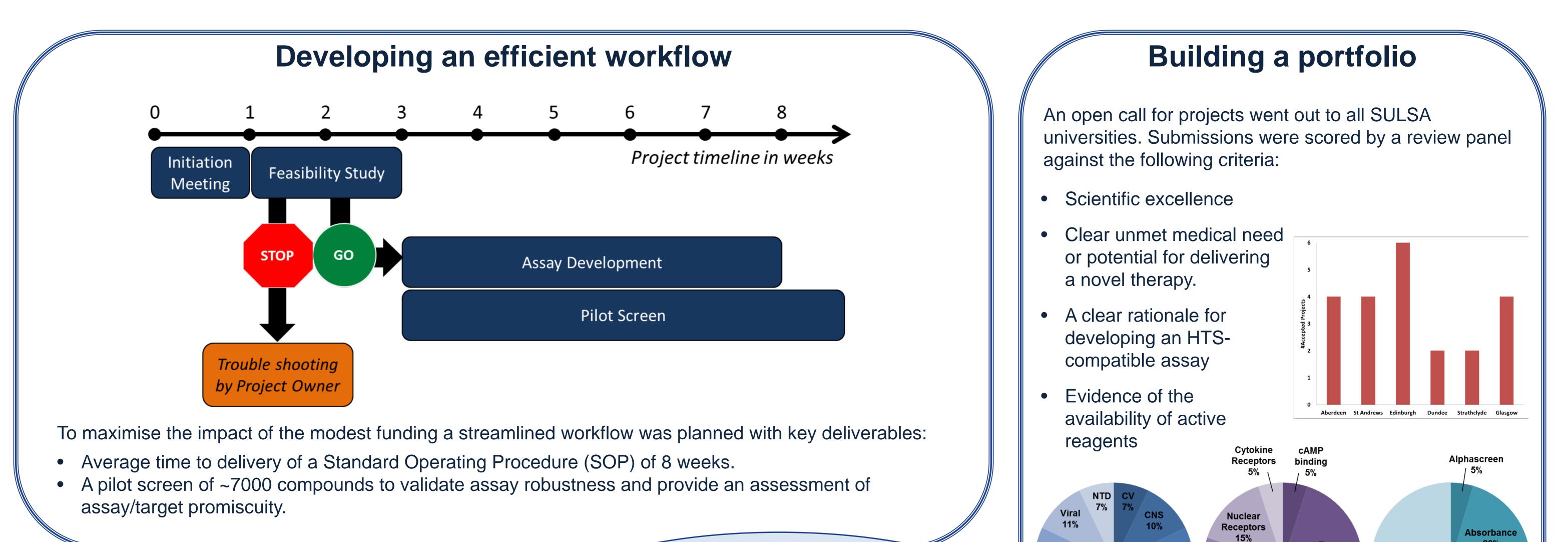


The SULSA Assay Development Fund: a model for widening access to high throughput screening

Stuart P. McElroy¹, Denise V. Barrault², Philip S. Jones¹

European Screening Centre Newhouse, University of Dundee, Biocity Scotland, Newhouse, Lanarkshire, ML1 5UH
NPSC Edinburgh, Room 145/6 - Peter Wilson Building, The King's Buildings, University of Edinburgh, Edinburgh, EH9 3FH

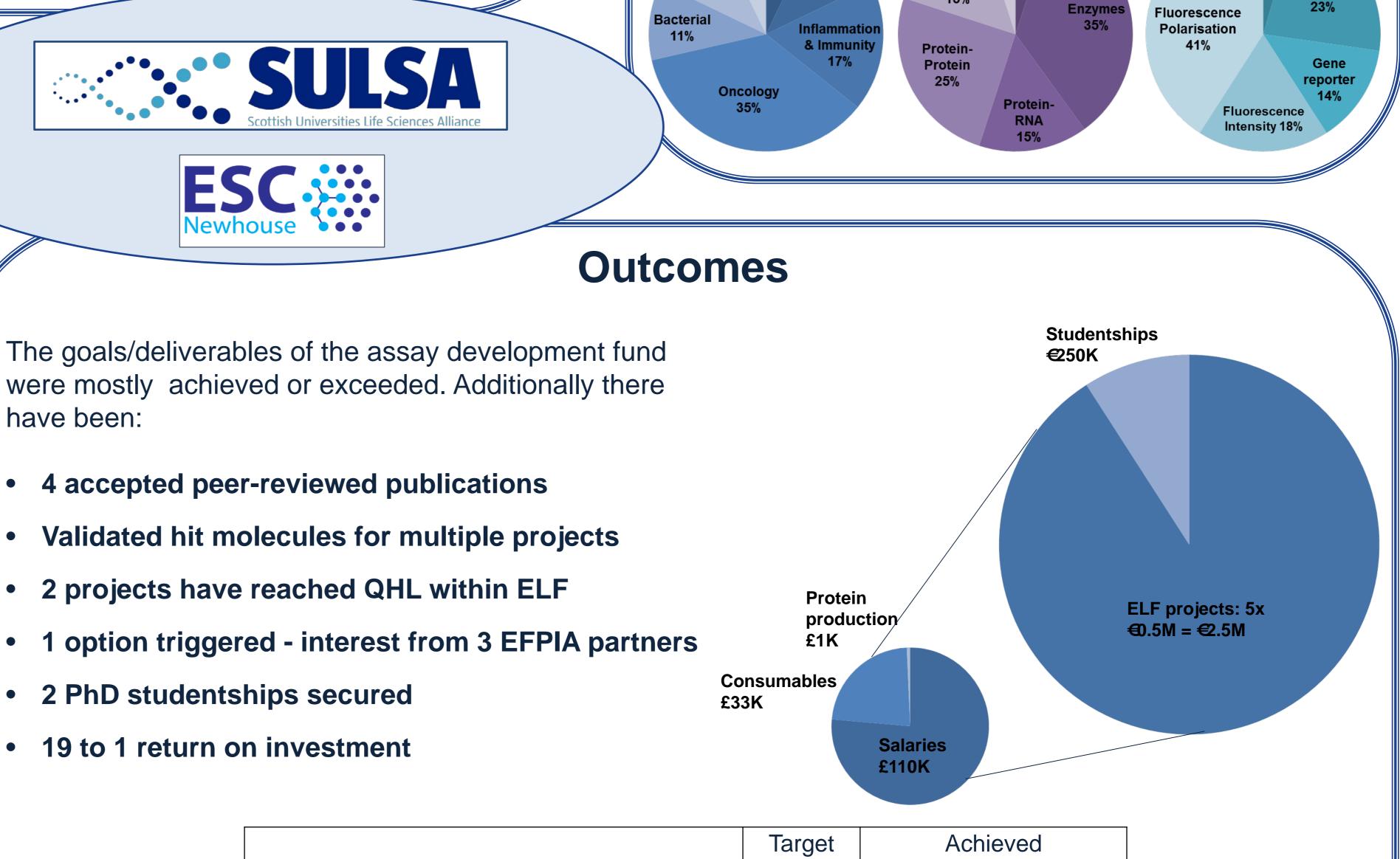
Translating novel molecular target discoveries from academia into drug discovery projects requires the development of high quality assays. During the course of most academic research the knowledge, experience and/or facilities for creating an HTS compatible assay are not readily available. To facilitate the development of high quality HTS-ready assays and increase the pool of potential drug discovery projects available to initiatives such as the European Lead Factory (ELF) the Scottish Universities Life Sciences Alliance (SULSA) established the SULSA assay development fund.

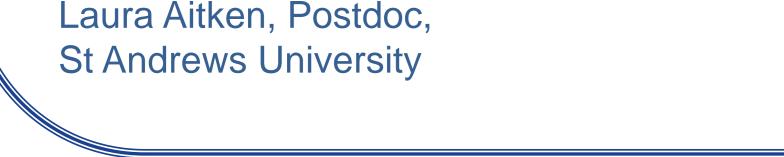


Knowledge Exchange

PhD students and postdocs from the POs' labs were given the opportunity to work at the ESC Newhouse on their assay development project. Three PhD students, one Masters student and two Postdoctoral researchers took part.

"Being able to come and work at Newhouse where you are then surrounded by people who can identify quickly where assay improvements should be made and then pass on the knowledge of how to set about applying these changes (as well as gaining experience with various pieces of equipment) was invaluable. ."— "Many of the jobs I have recently applied for include the development of molecular assays. With hands on experience in this process, my CV is certainly strengthened thanks to my time at Newhouse" – Euan Parnell, PhD Student, Glasgow University





McElroy SP, Jones PS, Barrault DV. he SULSA Assay Development Fund: accelerating translation of new biology from academia to pharma. *Drug Discov Today.* 2017 (2):199-203.

Average development time (weeks to SOP)	8	8.9 (7.29 median)
Project recruitment	18	22
Wet work commenced		18
Assays developed to ELF criteria	12	14
Projects submitted to ELF	10	10 (1 in preparation)
Projects accepted by ELF	6	5 (1 under review)













