**UNIVERSITY OF GLASGOW**

**Numbers of animals used**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2018 | 2019 | 2020 | 2021 |
| Rodent | 125,051 | 114,082 | 96,583 | 98,655 |
| Fish | 2,061 | 2,807 | 4,505 | 3,775 |
| Bird | 1,577 | 749 | 824 | 380 |
| Sheep | 155 | 320 | 365 | 341 |
| Rabbit | 132 | 170 | 64 | 108 |
| Cattle | 6 | 10 | 185 | 12 |
| TOTAL | 128,982 | 118,319 | 102,526 | 103,271 |

**Types of animals used in 2021**

Approximate number of procedures involving animals under the Animals (Scientific Procedures) Act 1986, on Home Office project licences held under the University of Glasgow establishment licence in 2021:

Mice 96,784\* Rats 1,554 Hamster. 252 Gerbils 65 Fish 3,775

Bird 380 Sheep 341 Rabbit 108 Cattle 12

**Total 103,271**

\*Includes Beatson Institute for Cancer Research

**Severity levels of animal research**

|  |  |  |
| --- | --- | --- |
|  | Total | % |
| Sub-threshold | 62,180 | 60.21 |
| Mild  | 17,699 | 17.14 |
| Moderate | 20,983 | 20.32 |
| Severe | 1,651 | 1.6 |
| Non recovery | 758 | 0.73 |
|  | **103,271** | **100** |

**Research**

In 2019, Professor Owen Sansom's team at the Cancer Research UK Beatson Institute and University of Glasgow developed for the first time novel mouse models of colorectal cancer that are reminiscent of the worst prognostic subtypes of the disease.  This was a significant unmet need in the colorectal cancer field. Importantly, work is now underway to translate this clinically for both colon and rectal cancer within the Colorectal Cancer Accelerator platform funded by Cancer Research UK and led from Glasgow by Professor Sansom.

Overall, animal work in this study has allowed a significant scientific advance, which could be exploited clinically, and established mouse models that will allow the international research community to study the biology of advanced cancer in much greater depth.