AMS: managing great science in animal models
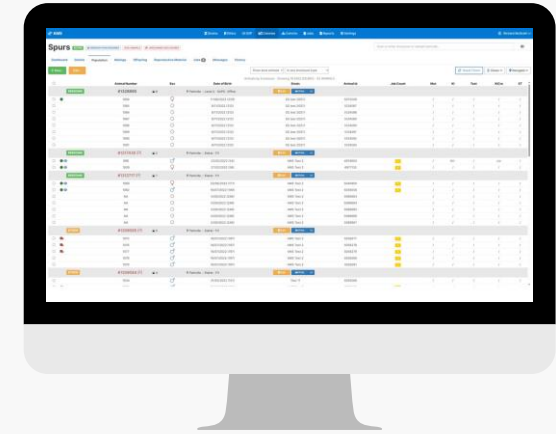
Research Code

The Problem

- Medical researchers are faced with a massively complex environment for managing pre-clinical research and animal models.

- Paper-based approaches, spreadsheets and non-enterprise systems can significantly impact the speed, efficiency, and accuracy of research outcomes.

- Information systems that complement the research workflow are needed to remove the obstacles that stand in the path to great science and discoveries.

The Solution

- Animal Management System (AMS) is a comprehensive, end-to-end, Software as a Service (SaaS) system for managing research animals and ethics.

- The solution provides researchers and facilities the ability to track data on animal colonies, manage genetic strains, organize tasks, breeding programs and more, while meeting ethical, governance, and financial compliance.

- SaaS web application
- Comprehensive, real-time, end-to-end solution
- Developed from real-world usage
- Lowers cost, increases efficiency, improves ethics visibility

Our Program

- AMS was rolled out across WEHI in 2016 and has since gained significant interest from the wider research community in Australia.

- 3 x external leading research organisations currently utilize AMS to manage their animal models, with 1000's of users accessing the system, managing 100,000+ animals each year

- There are several additional complementary research information systems in the pipeline

- A spinout company (Research Code) has been established to progress commercialization.

Our Team

Richard McGrath, Software design and development lead
Elaine Major, Animal facility manager

Dr. Seth Jones, WEHI Non-Executive Director
Jones.se@wehi.edu.au