

Project Titles 2023

Adaption and pathogenicity of bacterial pathogens at the host interface
Anticancer Drug Discovery, Target Validation and Experimental Therapeutics
Assessing the impact of handling methods on mouse welfare and scientific outputs
Bone Marrow Transplantation: Biology and Therapy
Breeding and production of genetically altered mice
Cardiac Development and Disease in Zebrafish
Cardiac disease, recovery, regeneration and ageing
Cell senescence and life span in mice
Characterising the role of ubiquitylation and phosphorylation in innate immunity
Circuits for Cognition: Cells, Networks and Neuropharmacology
Closed-loop neural interfaces
Cortical and sub-cortical control of movement
Cortical and subcortical neuronal interactions during execution and observation of action
Development of framework to assess pain & welfare of pigs with clinical or subclinical lameness
Genetic control of cardiovascular development
Genetics of Cardiovascular Development and Function
Germline genetic inheritance and reproductive health
How does gene expression control by RNA binding proteins enable germ cell development?
In vivo acaricidal activity of novel acaricide products to control poultry red mite (<i>Dermanyssus gallinae</i>)
Investigating the biology of musculoskeletal tissues in health and disease.
Mechanisms of body weight regulation in the European starling.
Mitochondrial dysfunction in ageing and disease
Modeling liver disease in rats
Modelling and treating primary ciliopathies
Modelling ciliopathies.
Modelling organ fibrosis and cancer in mice
Morphogenetic mechanisms underpinning congenital heart defects
Mouse models of chronic inflammatory clinical conditions.
NF-kB and its role in cancer, inflammation and replication stress
Physiology and Pathophysiology of Auditory Processing
Primate Neurobiology of Cognition Informing Neurology and Neurosurgery Patient Work
Regulation of the stress response in birds
Sensory processing in teeth
SIGNALING IN SENSORY PROCESSING AND DRUG EFFECTS
Strategies for the restoration of sight in retinal dystrophies
Targeting glucose metabolism in Fatty Liver Disease
The modelling and treatment of childhood cancers
The role of complement (innate immunity) in disease, with a focus on the kidney, liver and eye.
Understanding brain circuits in health and disease
Zebrafish Models for Neuromuscular Diseases