

PIPE Pharmaceuticals

Technology offers animal model

These technology offers from the different partners of the project PIPE. If you are interested in one or more of these offers, please contact the responsible person named below. We are looking forward to provide you more detailed information.

Typ I Interferon receptor deficient mice for analysing immunological diseases (04130 RK)

Tansgenic mice with a complete knock-out of the IFN-I receptor (IFNAR) is available on the background of the mouse type SV129. This type is only restrictedly suitable for studies on infectious diseases, multiple sclerosis and sepsis. However, most of the tumors used in tumor models have been isolated from another mouse type, C57BL/6. The presented INFAR^{KO} mouse is an essential tool in the research of immunological disease. It is congenic on the C57BL/6 background and carries a ubiquitous deletion of IFNAR allowing you unlimited investigations into the role of IFNAR in every tissue, cell type, stage of development or in the response on exogenous stimuli.

Status: Protected by a German utility model.

Mice with conditional Typ I Interferon receptor (04131 RK)

The presented mouse is a C57/BL6 congenic conditional IFNAR mouse which embodies the potential IFNAR inactivation by an adequate stimulus in a specific tissue or cell type. The function of the IFN-I system can be investigated in its spatial and temporal dimension for the first time by targeted time- and/or site-controlled IFNAR inactivation. So this mouse is the first choice for those researchers who want to understand how type I interferon (IFN-I) regulates and influences the immune system and how it interacts with other cells of the organism.

Status: Protected by a German utility model.

Polygenic Mouse Model for Juvenile Obesity Research (09001 BR)

A set of well-characterized polygenic mouse models are offered that allow testing of drugs for weight loss and the targeted search for genetic factors influencing fat deposition. Two animal groups: The Berlin Fat Mouse (BFM) outbred population and the Berlin Fat Mouse Inbred 860 (BFMI860) strain. BFM has been selected for high fatness and low protein content from a base population of animals bought in several Berlin pet shops. BFMI860 is an inbred derivative of BFM that has been generated by repeated matings of most obese BFM full-sibs after 58 generations of selection. BFM and BFMI860 develop extreme body weight with high body fat mass, but only marginal increased body lean mass.

CRE/CREB Luciferse Transgenisches Mausmodell (BioT-1100-UMG)

Stress can elicit neuropathological changes. It can also contribute to incidence of disease like depression. The protein CREB respectively the binding site CRE plays a decisive role in the development of antidepressant drugs. The invention presents a transgenic mouse model for testing of antidepressant drugs or therapies of stress using CRE/CREB. It can be applied for drug-screening of antidepressant drugs. It is also helpful for searching of elicitor of depression.