



Behavioural Phenotyping of Mice

knock-out, knock-in, transgenic , lesioned or pharmacologically treated

Scope of application

- detailed behavioural analysis of mice
- standard test series: assessment of a wide range of behaviours with the benefits of between tests comparisons
- selected tests from our established range of paradigms
- ready to publish results including statistical analysis
- counselling for targeting / knock-out projects and phenotyping

The standard test series:

General assessment of health and neurobiological state, food and water uptake, activity patterns, motor coordination, exploration, anxiety, spatial learning, associative learning, and startle reflex are determined in comparison to control mice.

Established Paradigms:

grip strength, Rotarod, open field, hole board, elevated plus maze, light/dark-avoidance, Morris water maze, 2-way active avoidance (shuttle box), startle response and prepulse inhibition, pain sensitivity (hot-plate), fear conditioning, Barnes maze.

In depth analysis of data:

The tests are conducted in our behavioural facility. For each test, relevant parameters are determined and analysed by appropriate statistics. The comparison of different tests conducted with the same group of individuals allows further in depth evaluation of behavioural abnormalities.

