



Behavioural Phenotyping of Mice Learning and Memory Disorder Mouse Models

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

Scope of application treated

- 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
- pharmacological studies
- ready to publish results including statistical analysis
- counselling for targeting / knock- out projects and phenotyping

The standard test series:

General assessment of health and neurological state, motor coordination, exploration, anxiety, spatial learning, associative learning, startle response and prepulse inhibition 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, two-way active avoidance (shuttle box), startle response and prepulse inhibition, pain sensitivity (hot-plate), fear conditioning, Barnes maze and more.

In depth analysis of data:

The tests are conducted in our behavioural facility and analysed with appropriate statistics. The comparison of different tests conducted with the same group of individuals allows in depth evaluation of behavioural abnormalities. Multiple tests for the effective analysis of pharmacological treatment of learning and memory deficits.

