



# Zurich Integrative Rodent Physiology (ZIRP) platforms & services

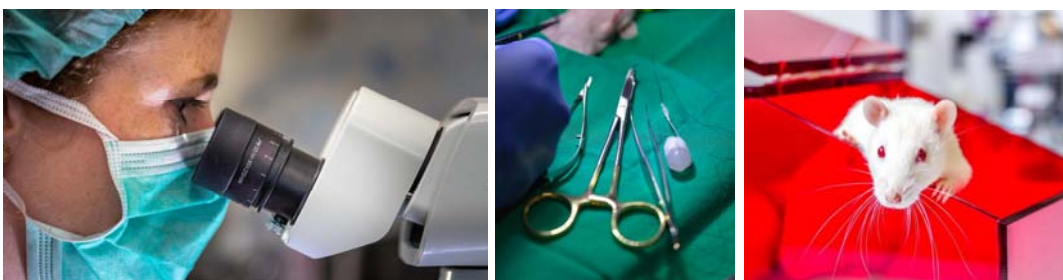
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## biochemical profiling



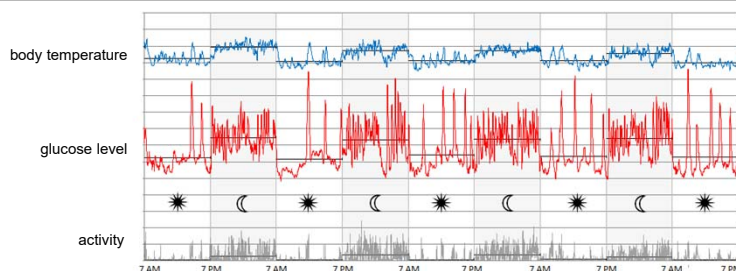
The biochemical profiling platform offers a variety of analysis of biological fluids (e.g. serum, plasma, urine, CSF) with a high throughput automated laboratory analyser.

## surgical services



For self-supported users ZIRP offers surgical workplaces (with surgical microscopes, gas anaesthesia and warming mats). ZIRP offers a number of surgical procedures including different options for vessel catheterization or targeted injections and also provides infrastructure for post-operative care and sterilizing surgical instruments.

## radiotelemetry



Radiotelemetric transmitters enable the continuous collection of physiological data in conscious freely moving animals, e.g. pressure or biopotential signals, respiration rate, body temperature, activity or blood glucose. ZIRP offers a number of transmitters and the relevant hard- and software system for data acquisition and analysis.

## and more...



ZIRP aims to constantly improve techniques and procedures used for animal experimentation, in order to acquire better data with less (stressed) animals. This includes for example new handling techniques (tunnel handling and rat tickling), but also "contact free" data acquisition and sampling techniques with vascular access buttons.