QPS GmbH (AUSTRIA)

QPS Neuropharmacology is a preclinical full-service contract research organization (CRO) focusing on CNS diseases, Orphan diseases and mental disorders.

The availability of highly predictive disease models and unparalleled experience with studies performed for biopharmaceutical companies of all sizes makes QPS the first choice for most needs in CNS drug development.

Validated transgenic and non-transgenic *in vitro* and *in vivo* models cover most targets of Alzheimer's Disease (AD), Parkinson's Disease (PD), Huntington's Disease (HD), Amyotrophic Lateral Sclerosis (ALS), Frontotemporal Dementia (FTD), Niemann-Pick Disease, Autism Spectrum Disorder (ASD), Schizophrenia, Lewy Body Dementia (LBD) and other neurodegenerative diseases.

- *In Vitro* **Services** QPS Austria's Neuropharmacology Department provides research services with numerous standardized cell culture systems including transgenic and non-transgenic cell lines, glial cells, primary chicken and rat peripheral and central nervous system neurons of different developmental stages and organotypic brain slices. New models are developed and validated on request.
- *In Vivo* **Services** We have more than 15 years experience in generating, characterizing and maintaining transgenic disease models und using them for drug testing projects. Several customized behavioral tests, including motor, cognitive, and emotional assays, are offered to phenotype mouse and rat models and to evaluate effects of compounds in different *in vivo* models.
- *Ex Vivo* **Services** Our *Ex Vivo* Services cover a full range of histological services, a biobank composed of various specimen derived from our in-house *in vivo* and *in vitro* models, and numerous well established tests for biomarkers. We are happy to test new protocols and establish new markers to meet your specific needs.

The Company

QPS Austria is a full-service contract research organization (CRO). The company performs preclinical as well as clinical research.

The portfolio of our preclinical Neuropharmacology group covers various validated transgenic and non-transgenic *in vivo* and *in vitro* models for neurodegeneration such as AD, PD, for orphan diseases including HD and ALS , for lipid storage disease and dyslipidemia, and for diseases like psychosis, anxiety, schizophrenia, or autism.

While many of our models are solely available at QPS, all of them are well characterized in house and published in peer reviewed high impact journals. Besides *in vivo* research we also offer biochemical and histological analyses. To support our clients in the best possible way, we use or adapt existing models, or establish new models specific to your research focus.

QPS Austria Neuropharmacology is GLP certified and AAALAC accredited. These quality seals combined with over 15 years experience and a vast amount of historic data are a clear asset for our clients, who range from international biotech and pharma companies to academia and other non-profit organizations. We assist with designing a developmental plan for your small molecules or biologics and together with our DMPK and Toxicology colleagues we help you navigate toward clinical research.

Animal Facility

- 750m² (>8,000 sq ft) animal facility
- 9 rooms for animal housing equipped with IVCs

- 7 rooms for the performance of behavioral research equipped with state of the art instruments
- Up to date animal housing and hygienic equipment as well as facility layout to ensure efficient accomplishment of in vivo projects

Cell Culture Laboratories

- Biosafety level 1 and 2 laboratories
- Automated cell and tissue culture image processing hard and software
- Cutting edge evaluation equipment

Histology Laboratories

- Fully equipped histology laboratories for all fixation, tissue processing, sectioning and staining
- Modern image capture equipment
- State of the art image processing hard- and software

Biochemistry Laboratories

- Protein-biochemistry laboratories outfitted for cutting edge techniques incl. aggregation studies
- State of the art equipment for biochemical determinations (fluorometry, densitometry…) including biomarker evaluations (MSD imager and others)