

[ ] HISTOCHEMISTRY

[ ] HISTOLOGY

[ ] KO MODELS

[ ] IN VIVO MODELS

[ ] BLOOD BRAIN BARRIER

[ ] IN VITRO MODELS

NEUROPHARMACOLOGY  
OVERVIEW

[ ] NEUROSCIENCES

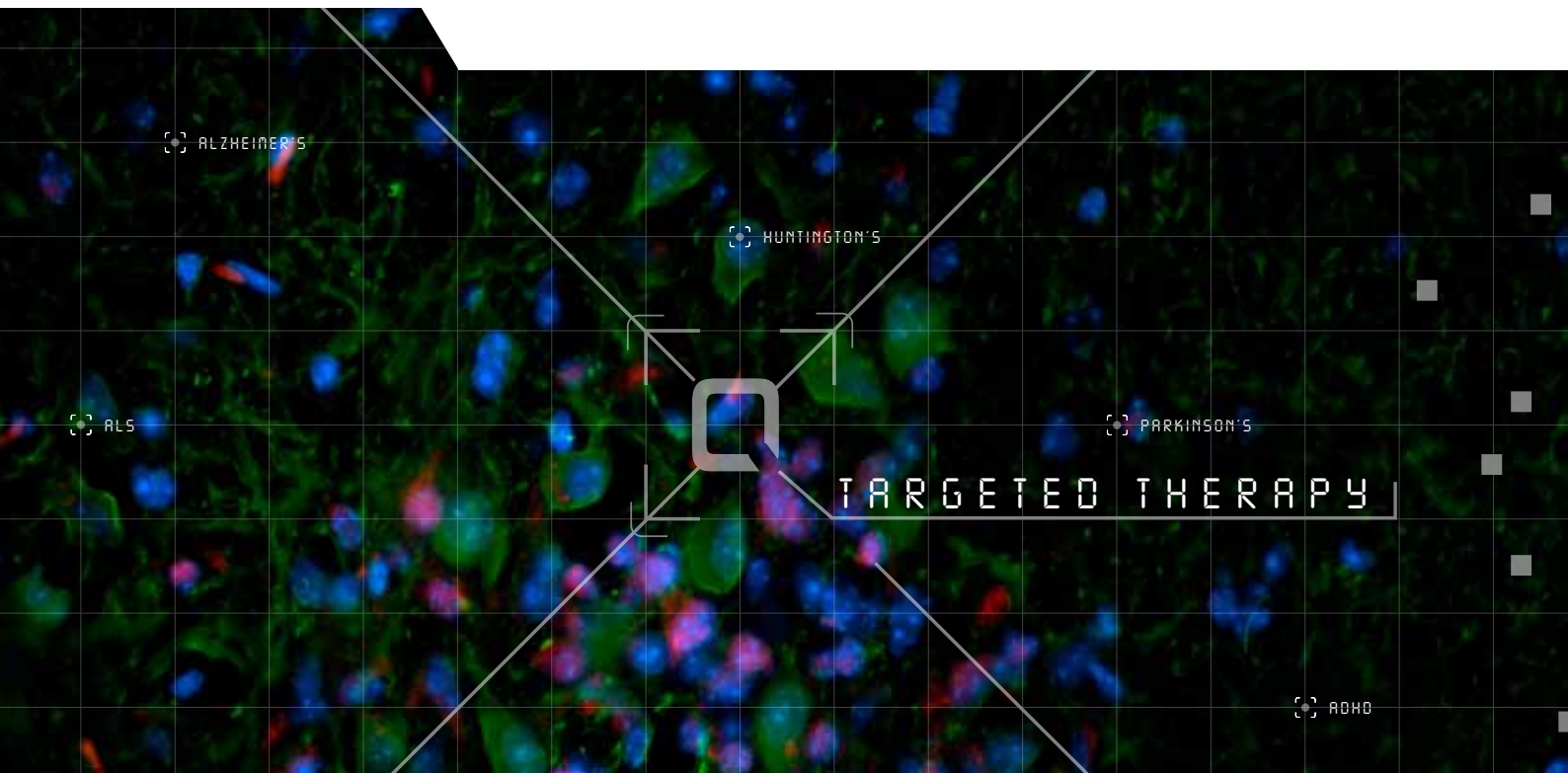
# QPS Neuropharmacology Overview



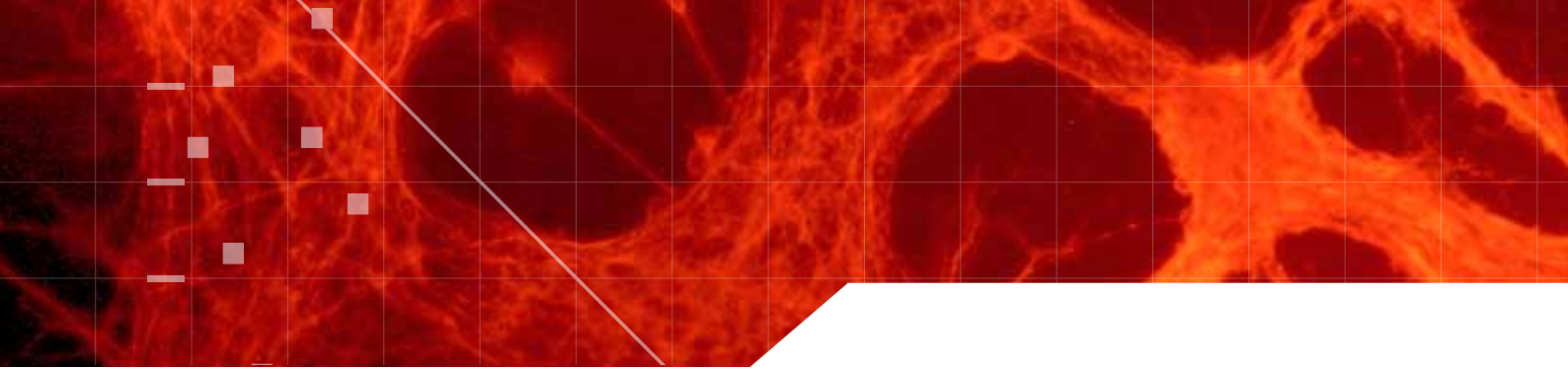
QPS is recognized all over the world as a leading CRO for CNS drug discovery and development

# Introduction to QPS' Global Neuropharmacology Services

Our profound expertise in neuroscience and more than a decade of experience in contract research results in a sustainable advantage for our customers. We offer you a sophisticated range of validated transgenic and non-transgenic *in vivo* and *in vitro* models in order to make sure that your new chemical or biological entities get profiled in depth using both novel and established drug targets that may play a role in the complex etiology of neurodegenerative diseases.







## Please allow us to put forward to you the most important arguments why you should choose QPS as your preferred CRO for all your neuropharmacology sourcing needs?

### Profound Expertise

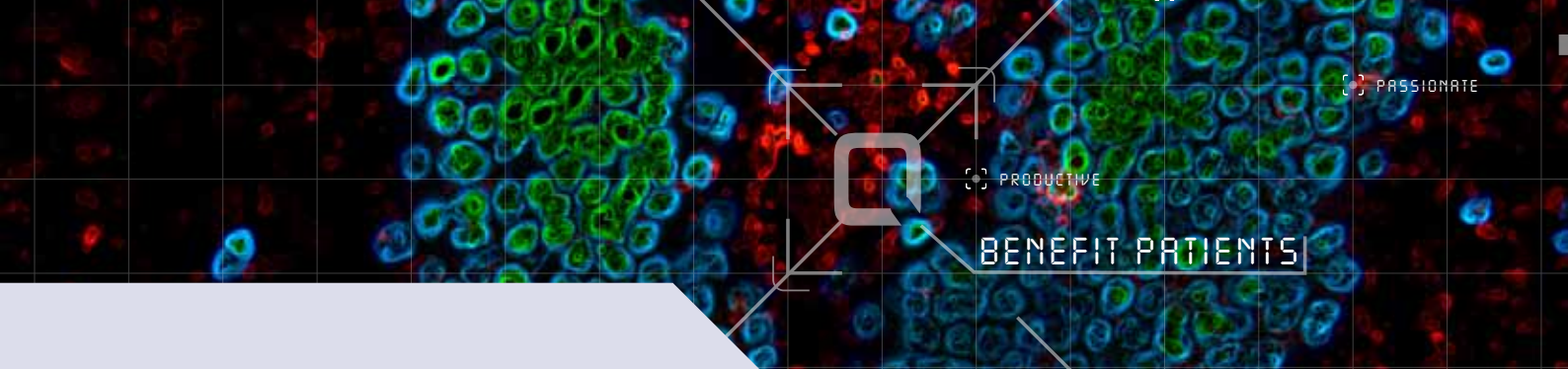
The QPS Neuropharmacology Team is comprised of professionals with cross-industry and cross-academia expertise in (custom) development and validation of transgenic and non-transgenic *in vivo* and *in vitro* models, provides top-of-the-line services tailored to the specific needs of our clients. Our neuropharmacologists have profound expertise and extensive hands-on experience gained through successful completion of sophisticated projects that have addressed many new as well as already established drug targets in neurodegenerative diseases.

### In-depth Knowledge of Neurodegenerative Diseases

There has been a tremendous burst of information about cognition and its neuronal bases during the past two decades. As new knowledge develops, there is a need to continually update the preclinical and clinical pharmacological tools that we use to assess cognition and other brain functions. Keeping those tools updated is essential for evolving an in-depth understanding of the cognitive and/or motoric deficits that cause a decline in function in people with neurodegenerative diseases such as Alzheimer's, Huntington's and Parkinson's disease.

### The QPS Translational Neurosciences Team

The QPS Translational Neurosciences Team is familiar with the numerous treatment approaches developed for neurodegenerative diseases, and has conducted research on new drugs in every pharmacological class. Furthermore, our ADME experts have been using "drugability" screens for lead optimization to ensure higher technical success rates in selecting useful drug candidates. In addition, the QPS Translational Neurosciences Team has a long track record of conducting clinical trials for numerous neurological and psychiatric disease therapies, including therapies for neurodegenerative diseases. Our clinicians are aware of the latest diagnostic criteria and the most recent developments in study design to fulfill the requirements of modern CNS research. They recognize the problems and limitations of currently available cognitive tests and are active in developing and validating new methodologies, in close collaboration with key international opinion leaders. Their expertise includes complex study design with sequential CSF sampling, structural MRI, and PET. For CSF studies, the QPS Translational Neurosciences supports the quantitation of all relevant disease biomarkers with state-of-the-art technologies. We are also involved in developing and standardizing new biomarkers, to support early diagnosis and to document precise drug effects on important disease mechanisms.



### State-of-the-Art Facilities

QPS' GLP accredited facilities are part of a governmental GLP inspection programs with ultramodern animal housing facilities and fully-equipped histology laboratories, cell culture and protein biochemistry laboratories all outfitted with cutting-edge techniques.

# QPS offers a full range of neuropharmacology services including:

## *In Vitro* Neuropharmacology Profiling

- ☐ Neuronal Tissue Culture
- ☐ Mode of Action
- ☐ DDI/Metabolism
- ☐ Full Safety Package

## *In Vivo* Neuropharmacology Profiling

- ☐ Transgenic and Non-Transgenic Rats and Mice
- ☐ Generation / Phenotyping of new Transgenic Rat and Mouse Strains
- ☐ Screening for Efficacy
- ☐ Lead Profiling
- ☐ Molecular Biology, Biochemistry, Histology and Bioanalytics
- ☐ Full Safety Package



# QPS

helps you navigate

**Company Values:** **Integrity** - We make and keep promises and build trust through honesty, proactive communication and reliability - **Quality** - We bring the highest level of technical expertise and judgement to our work - **Customer Focus** - We tap our global resources to provide service that is fast, flexible and integrated - **Commitment** - We work hard to solve problems and deliver results - **People** - We treat people with dignity, respect and fairness, and embrace our differences - **Culture** - We are friendly and fun. We provide opportunities to grow, we value loyalty and teamwork, and we recognize and reward performance.

**Time is of the essence  
in drug development,  
so contact a member  
of the QPS Business  
Development Team today  
and find out what QPS  
can do for you.**

## HQ BD Office

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**Call to arrange for a tour at QPS'  
Neuropharmacology Laboratory in Austria today**



**1** QPS | Austria