



FACILITY OVERVIEW

Groningen, the Netherlands

Our facility in Groningen, the Netherlands, is a discovery center of excellence. The site focuses on non-GLP DMPK (drug metabolism and pharmacokinetics) and pharmacology studies, including but not limited to, microdialysis, electrophysiology, rapid pharmacokinetic screening and bioanalysis.

Background

- Founded as Brains On-line in 2000 at the University of Groningen in the Netherlands as an independent specialized contract research organization focused on offering microdialysis and bioanalysis services
- Site expansion into the US to South San Francisco in 2006 and into Germany to Gottingen in 2013
- Acquired by Charles River in 2017
- Expanded service offerings in 2018 to include DMPK – rapid pharmacokinetic screening and bioanalysis

Laboratories and Facilities

- 10,000 square feet laboratory space with 24-hour surveillance and environmental monitoring
- Wet lab for microdialysis and electrophysiology and bioanalysis testing facilities
- Vivarium with species: rats and mice

Staff

- Approximately 25 employees
- About 35% of employees with advanced degrees, including 6 PhD scientists

Service Areas/Study Types

- **Microdialysis**
 - Conventional microdialysis
 - Push-pull microdialysis for large molecules like Tau
 - MetaQuant microdialysis using ultra-slow flow to maximize drug recovery
- **Electrophysiology studies**
 - Patch-Clamp, (slice and cell)
 - Multi Electrode Array
 - In vivo electrophysiology

- **Bioanalysis testing (LC-MS and ELISA)**

- Measure metabolites, neurotransmitters and drug concentrations in various samples including blood, CSF, plasma, tissues, urine, etc.

- **Pharmacokinetic (PK) screening studies**

- Non-GLP research-grade assays for compound screening (LC-MS)

Compliance, Certifications, Accreditations and Professional Affiliations

Charles River's Groningen facility operates in compliance with the following regulatory agencies or accredited organizations:

- Training for functions A, C and D according to Directive 2010/63/EU, article 23
- AAALAC accredited
- National Research Council 2011

Humane Care Initiative

Charles River is a worldwide leader in the humane care of laboratory animals. We work hand-in-hand with the scientific community to understand how living conditions, handling procedures and stress play an important role in the quality and efficiency of research.



Contact an Expert

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EVERY STEP OF THE WAY