

Post Doc tracer metabolomics

Requisition ID: 1805642850W

The Pharmacokinetics, Dynamics and Metabolism department of Discovery Sciences serves the various Therapeutic Area's with 'state-of-the-art' analytical support in e.g. PK/PD studies, biomarker evaluation, 'mode-of-action' research, target binding/confirmation essay's and conjugate analysis to support the discovery and development of (mainly) novel small molecule therapies. The department integrates metabolomics technologies in the existing High Throughput and (semi-)quantitative workflows to accelerate drug discovery and development. To support the on-going efforts to further elucidate & understand molecular mechanisms in disease, we like to strengthen our team with a

Post-Doc (2 yr's) tracer metabolomics (m/f)

- Develop/optimize novel UPLC-MS/MS and UPLC-HR-MS methods for the analysis of selected endogenous metabolites from cellular systems, biofluids and tissue in relation to organ functionality.
- In collaboration with our academic partners optimize isotope deconvolution packages for rapid and accurate analysis of incorporation of stable isotopic labels in target metabolites
- Design tracer 'feeding' experiments in collaboration with our in-vitro and in-vivo experts to enable sufficient label uptake for (un)targeted Metabolomics analysis
- Design metabolic quenching protocols for instantaneous arresting active metabolism in in-vitro and in-vivo samples.

Education & experience

- PhD in (Analytical) Chemistry, Pharmacology or a related discipline with a strong analytical component
- Extensive hands-on experience with modern LC-MS/MS and/or LC-High Resolution MS instrumentation and sample preparation techniques for analysis of biofluids, tissues and cellular systems
- Practical analytical method developer and demonstrated troubleshooter
- Practical experience with quantitative metabolomics and data evaluation packages analyzing complex data sets
- Hands-on experience with cellular systems is a distinct advantage
- Up to date knowledge of and practice with Liver and GI-tract metabolism

Competencies

- Able to manage multiple projects in parallel with challenging timelines
- Good communicator and team-player, both orally and in writing
- Good interpersonal skills
- Results driven nature
- Hands-on attitude

Primary Location

Belgium-Antwerp-Beerse

Organization

Janssen Pharmaceutica N.V. (7555)

Job Function

Pharmacokinetics