

Scientist – Biomarker and Drug Discovery

The European ScreeningPort is seeking a dynamic, highly motivated Biomarker Scientist to drive the development of our new Drug Discovery and Biomarker facility at the ZMNH, Hamburg. The European ScreeningPort is seeking dynamic, highly motivated scientists to drive the development of our new Drug Discovery and Biomarker facility.

Job Purpose

Deliver innovative Drug Discovery and Biomarker services to European ScreeningPort's academic partners. The scientists will work in close co-operation with world leading ZMNH research Institute of the UKE, Hamburg. The work will focus initially on Biomarkers linked to Neuro-inflammatory and Neurodegenerative diseases, expanding to other indications in the medium to long term.

Duties

- Build strong relationships with partners in academia, technology providers and Pharma companies, in order to deliver a robust Biomarker Discovery platform to support ZMNH and external projects
- Method development and validation of new biomarker assays, and transfer and validation of developed biomarker assay methods to internal and external partners
- Lead troubleshooting the methods when this technology transfer encounters difficulties
- Coordinate biomarker sample bioanalyses in support of in-vitro, in-vivo and clinical studies (all phases) including retrieval of final data. Ensure that optimal timelines are set and met
- Ensure appropriate training of clinical research unit personnel or investigators in sample handling and processing in relation to biomarker assays
- Make effective contributions to the operational effectiveness of the Biomarker and Drug Discovery lab
- Input into biomarker and technology development strategy - in partnership with Academic partners, evaluate and develops new biomarker screening methodologies and technologies, write technical reports and prepare manuscripts
- Assists in writing regulatory submissions and responds to regulatory queries in relation to biomarker assays when needed
- Ability to produce and present quality scientific papers at external meetings and for publication
- Use target biology expertise and chemistry knowledge to select the right biomarker and bioassay approaches at the right time from ESP's and ZMNH's portfolio of platform technologies
- Work with computational and bioinformatics scientists at ESP, and academic partners to organize data collection, integration and analysis
- Use knowledge of target-focused, pathway-focused, and phenotypic assays, as

well as secondary assays to confirm and determine mechanism of action of identified active compounds

- Conduct experimental work safely, record data in an accurate, timely and GSP-compliant manner and support the effective management of the ESP BioMarker and Drug Discovery operation

Requirements

- Minimum qualifications include a Ph.D. or equivalent degree with research interests or industrial experience at the intersection of genomics, biology and chemistry
- A minimum of 3 years experience in biomarker discovery, or chemistry in a Biotechnology or Pharmaceutical environment
- Extensive previous involvement in BM assay development, validation and implementation using a broad range of technologies
- Knowledge of wide range of chemically and/or biologically based bioanalytical techniques (e.g., flow cytometry, Immunohistochemistry, LC/MS/MS, RIA, ELISA etc.)
- Experience in fit for purpose assay validation BM assay problem solving
- Demonstrated understanding of quality systems (GLP, GCP, CLIA, CAP)
- Experience in development/validation and implementation of ligand binding assays
- Experience in IHC and or cell based assays
- Demonstrated ability in the management and delivery of complex Discovery projects, involving multiple stakeholders
- Excellent knowledge of English, spoken and written