

Services



Target identification and validation



Assay development



High throughput screening



HIT finding



HIT to lead



Lead optimization



The early Drug Discovery Platform of

CiMUS

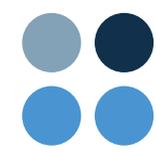
Center for Research in **Molecular Medicine** and **Chronic Diseases**

Partnerships and collaboration ideas:

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Innopharma

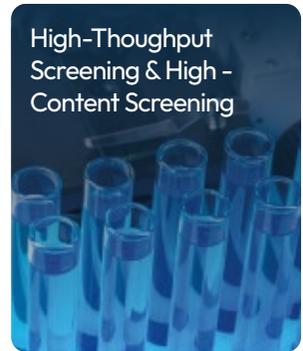
Drug Discovery

Your partner in the Drug Discovery journey

Customized Assay Development



Hit-To-Lead & Lead Optimization



High-Throughput Screening & High - Content Screening

Basic & Applied Drug Discovery Research



High-capacity site of:



Facilities

Cell Culture Laboratory



Assay Development Laboratory



Automated Assay Laboratory



Molecular Pharmacology Laboratory



High Content Screening Laboratory



In Vitro ADME Laboratory



Chemical & Library & Compound Logistics



Assays



Target-based Assays



Phenotypic Assays



Cell Painting



Molecular Pharmacology



ADME Profiling



Early Safety & Tox Assays



Biophysical Target Engagement Assays



On-Demand Services

Technologies



Luminescence

Bioluminescence resonance energy transfer and AlphaScreen techniques



Absorbance

Wavelength scan and single wavelength measuring electrical signals



Fluorescence

Intensity, polarization, FRET, HTRF, and fluorescence lifetime imaging techniques



Microscopy

Label-free dynamic mass redistribution technique



Radioactivity

Filtration and scintillation proximity assay techniques



Electrophysiology

Automated patch-clamp technique for measuring electrical signals



Mass Spectrometry

Ultra-performance liquid chromatography-tandem mass spectrometry



Lab-on-a-Chip

Automated mobility shift using lab-on-a-chip technology



Flow Cytometry

Capacity to explore up to 16 colours with 4 dedicated lasers in 96-well plates



Genomics

Genome-wide and candidate gene association studies, next-generation sequencing