

Resource Summary Report

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Conrad Prebys Center for Chemical Genomics

RRID:SCR_001687

Type: Tool

Proper Citation

Conrad Prebys Center for Chemical Genomics (RRID:SCR_001687)

Resource Information

URL: <https://sbpdiscovery.org/research/centers/conrad-prebys-center-for-chemical-genomics/>

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Description: The Conrad Prebys Center for Chemical Genomics (CPCCG) uses advanced screening technologies to identify high level chemical probes that interact with proteins involved in cellular processes. Optimization of these probes using medicinal chemistry and informatics will form the basis of a new generation of medicines. CPCCG is 1 of 4 Comprehensive Centers chosen nationally to be a part of the Molecular Libraries Probe Program (MLP), which established the Molecular Libraries Probe Production Centers Network (MLPCN). The goal is to produce small molecule probes that allow research into health and disease on the cellular level. CPCCG core services span a range of biochemical and cell-based screens for obtaining hits and provide chemistry resources for optimizing hits into probes or drug development. - Full scale screening capabilities and technology which can provide rapid screening on a broad diversity of assays and detection platforms - Several fully-integrated industrial-scale high-throughput screening (HTS) workstations - HTS microscopy/HCS and novel algorithm development for image analysis - Full hit-to-probe chemistry and exploratory pharmacology - Powerful NMR based Chemical Fragment Screening - Highly integrated informatics infrastructure and efficient data mining capabilities - Protein production facility - Cell production facility for scale-up tissue culture The CPCCG Screening Core can screen 96, 384 or 1536 well formats using either biochemical or cell-based assays, and can process over 300,000 wells per day. Total throughput capacity will climb to over 2 million compounds per day following the opening of Burnhams east coast campus in Lake Nona, Florida.

Synonyms: CPCCG

Resource Type: data or information resource, organization portal, portal

Keywords: drug, algorithm, analysis, assay, biochemical, cell, cellular, chemical, culture, development, disease, genomic, hcs, health, hts microscopy, keywords: chemical,

medicinal, microscopy, molecular, molecule, probe, process, production, protein, technology, tissue, image

Availability: Free, Freely Available

Resource Name: Conrad Prebys Center for Chemical Genomics

Resource ID: SCR_001687

Alternate IDs: nif-0000-10180

Old URLs: <http://sdccg.burnham.org>

Record Creation Time: 20220129T080209+0000

Record Last Update: 20260729T044015+0000

Ratings and Alerts

No rating or validation information has been found for Conrad Prebys Center for Chemical Genomics.

No alerts have been found for Conrad Prebys Center for Chemical Genomics.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.