

PARTNER PLATFORM
High Throughput Screening / Hit to lead

C@PS : Criblages à Paris Saclay

General information

Administrative information	
Structure	C@PS
Address	Multisite platform from Paris Saclay
Website	https://www.ibisa.net/plateformes/plateforme-criblage-paris-saclay-c-ps-582.html
Manager	Jean-Christophe Cintrat
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Date of implementation	2018

Labels / quality approach	
IBiSA	Yes since 2018
ISO 9001 certification	No
National networks	ChemBioFrance
International networks	None
Other	None

Team	
Number of researchers	3
Number of engineers	5
Number of technicians	1
Number of administrative staff	0
Other	0

Main achievements	
Number of screenings performed since creation	25
Number of screenings performed per year	5
Fields of expertise / therapeutic areas	Cytotoxicity, cell viability, cellular 2D assays, PPI, target fishing, radioactivity. Read-outs: HTRF, fluorescent polarization, fluorescence, absorbance, AlphaScreen and TSA, qPCR, HR autoradiography, SAR, hit to lead. No therapeutic area : open to discussion with PIs

Scientific Information

Chemical Library	
Description of the collection (number of chemical molecules, natural, royalty-free products, known synthesis methods, etc)	100 000 compounds (commercial sources+proprietary), mostly synthetic but also Prestwick, antibiotics and an in house "drug like" chemicals library
Conditioning	96 well plates, 10 mM DMSO
Database (structure, accessibility conditions)	Yes, can be provided as sdf format under NDA
Member of the National Chemical Library	Yes

Targets	
Targets for the screening service (e.g. protein targets, cell targets, etc.)	
No specific targets, open to discussion with biologists	
Activities (e.g. cloning, protein expression, obtaining cell lines, management and storage of lines, cell culture, etc.)	
Protein expression, obtaining cell lines, management and storage of lines, cell culture, in ovo, HTS, DNA/RNA extraction...	

High throughput screening	
Number of measurements/days (approx.)	200
Biological tests proposed (e.g. in vitro enzymatic tests, cell tests (binding tests, cell survival, image analysis, etc)	
enzymatic tests, cellular tests, HTS, HCS (including high resolution autoradiography), gene expression, TSA...	
Technologies / Equipment (robots, automats, etc.)	
Zephyr (Caliper), EpMotion 5075 et 96 (Eppendorf), Benchsmart (Rainin), BioMekFX and BioMek3000 (Beckman Coulter), FC500 cytometer (Beckman Coulter), Plate readers (Polarstar Omega, Id3), Tecan EVO150, microfluidic qPCR (Applied Biosystems)	

Access	
Site teams	Yes
External academic teams	Yes
Private Outdoor Teams	Yes

Training courses offered	
CNRS Entreprise Formation : Quantitative PCR	