

**PARTNER PLATFORM**  
**High Throughput Screening / Hit to lead**

ImPACcell

General information

Administrative information	
Structure	UAR BIOSIT
Address	Université de Rennes 1, Bat8 Campus de Villejean, 2 Avenue du Pr. Leon Bernard CS34317 35043 Rennes cedex
Website	<a href="https://impacell.univ-rennes.fr">https://impacell.univ-rennes.fr</a>
Manager	Rémy Le Guével
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Date of implementation	2005

Labels / quality approach	
IBiSA	Yes since 2011
ISO 9001 certification	No
National networks	GDR ChemBio (2020), Cancéropôle GO (2005)
International networks	
Other	

Team	
Number of researchers	1
Number of engineers	2
Number of technicians	1
Number of administrative staff	2
Other	0

Main achievements	
Number of screenings performed since creation	200
Number of screenings performed per year	12/15
Fields of expertise / therapeutic areas	
Cell toxicity/proliferation (cancer), Endocrine disruptor, video microscopy	

Scientific Information

Chemical Library	
Description of the collection (number of chemical molecules, natural, royalty-free products, known synthesis methods, etc)	
Conditioning	
Database (structure, accessibility conditions)	
Member of the National Chemical Library	

Targets	
Targets for the screening service (e.g. protein targets, cell targets, etc.)	
Cell targets: 80 cell lines in bank, zebrafish, Eleutheroembryos	
Activities (e.g. cloning, protein expression, obtaining cell lines, management and storage of lines, cell culture, etc.)	
Cell culture, cell screening, HCS, fluorescent assays, fluorescent microscopy, video microscopy	

High throughput screening	
Number of measurements/days (approx.)	
Biological tests proposed (e.g. in vitro enzymatic tests, cell tests (binding tests, cell survival, image analysis, etc)	
ELISA, image analysis, cell survival (cell counting), proliferation, cell migration, cell cycle, cell death, DNA damage, inflammation, ROS, cytoskeleton), Wound Healing (video microscopy).	
Zebrafish larvae: xenograft (tumor regression), angiogenesis, zebratox	
Technologies / Equipment (robots, automats, etc.)	
Arrayscan, VAST bioimager, Inverted Zeiss microscopes, Fluorimeter/Luminometer, xCELLigence	

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

Training courses offered
None