High Throughput Screening and High Content Analysis at IGBMC



CITS

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ISING Institut de génétique et de biologie moléculaire et cellulaire

CANCÉROPÔLE EST

LBiSA

CRISPR-Cas9 screening

Our know-how and activities/services:

Cell-based assays

Disease

Cell model

Phenotypic screening

Gene perturbator reagents

Bioactive compounds

Analysis Hits

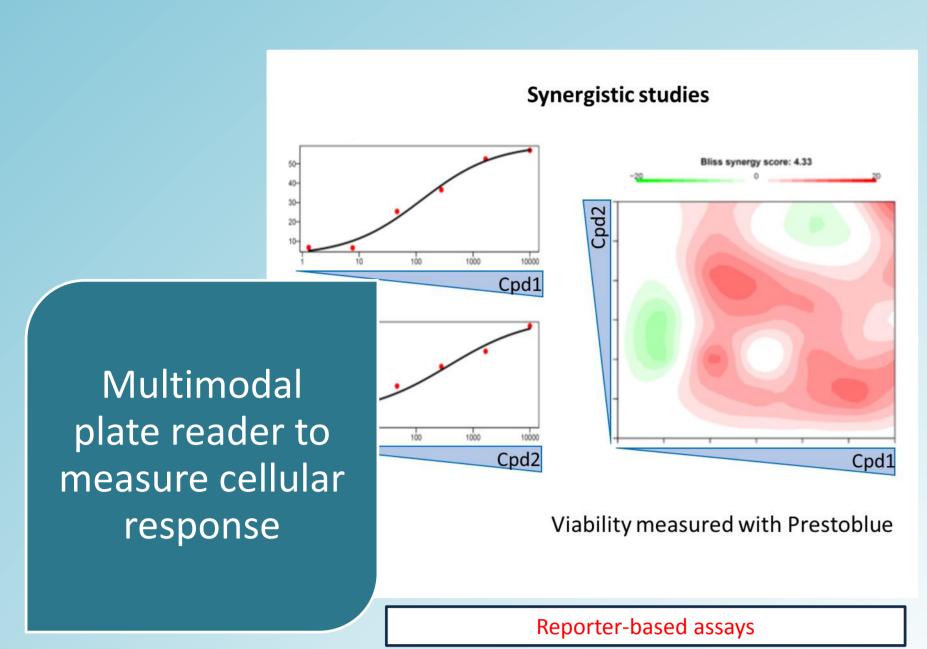
Bioinformatics

Genes & pathways

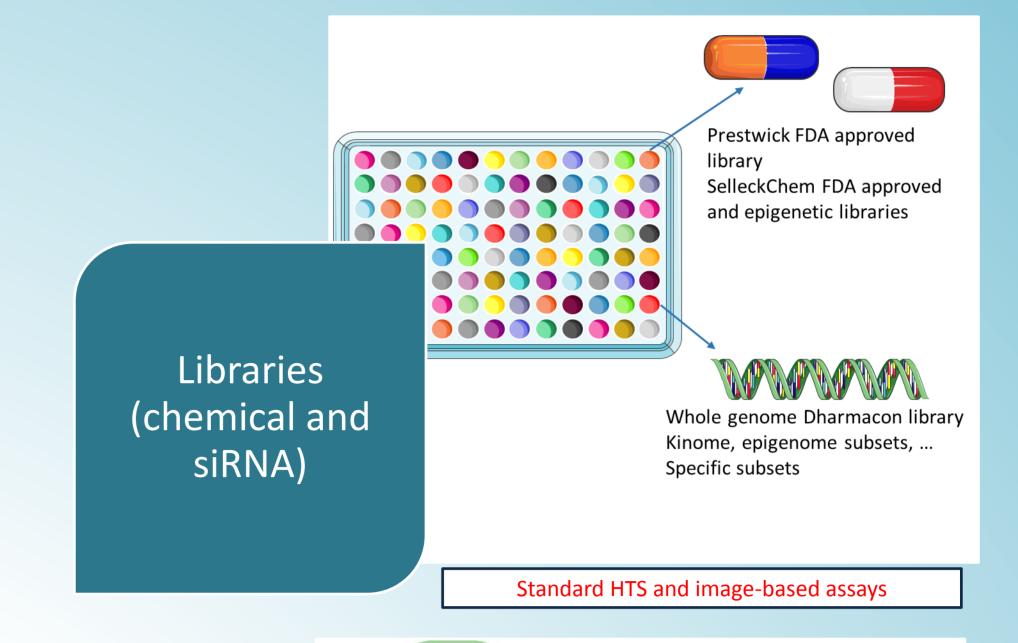
Active compounds & druggable cell factors

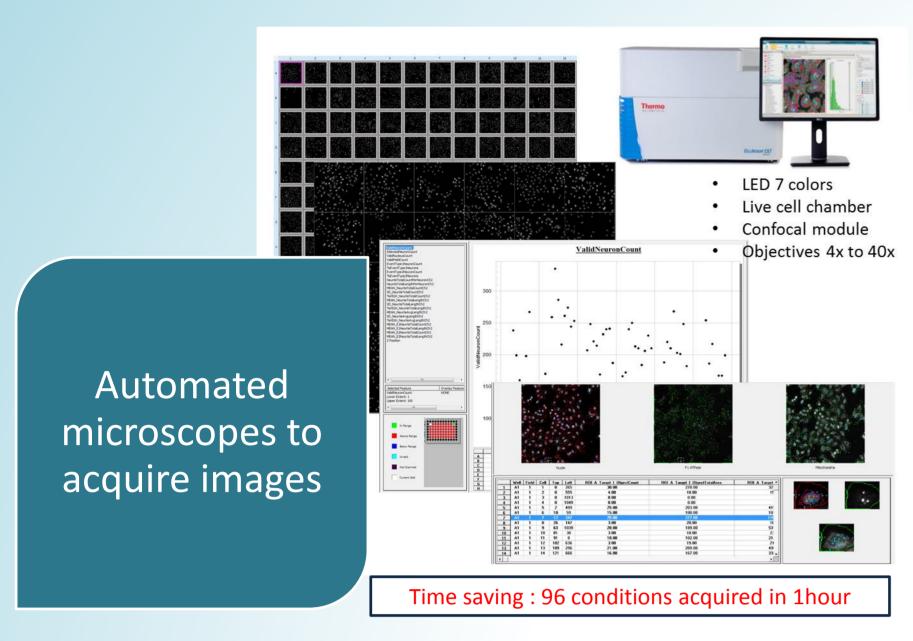
Drug Discovery pipeline

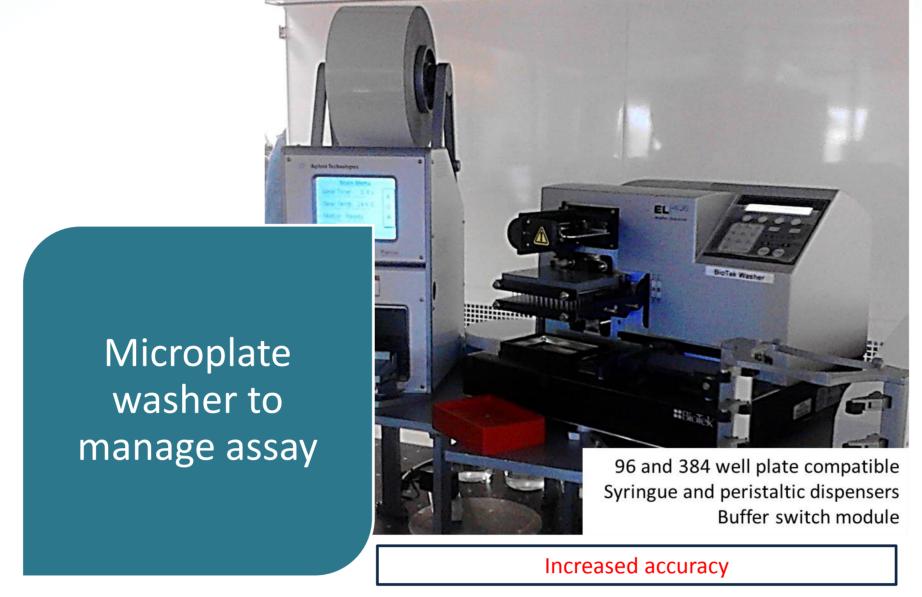
Functional studies

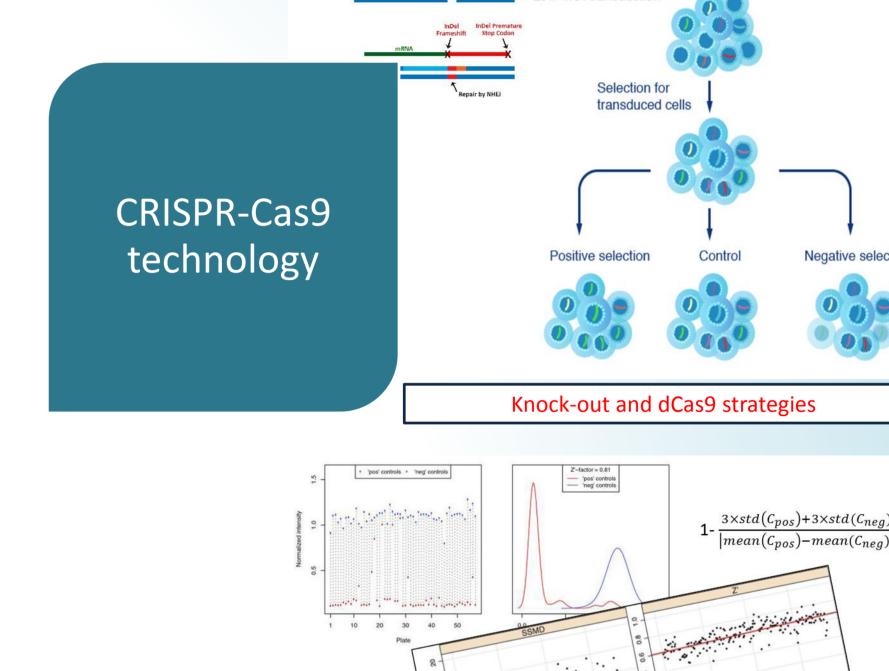


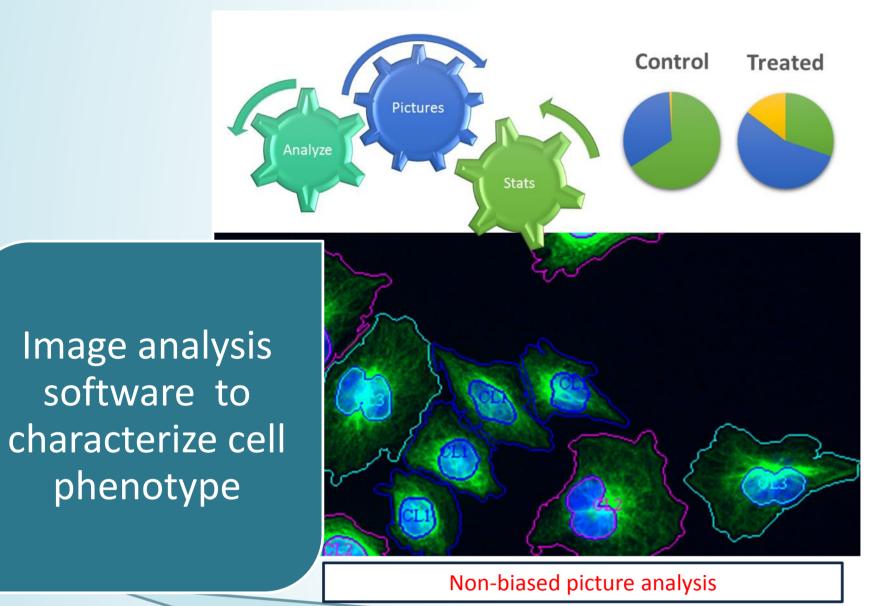


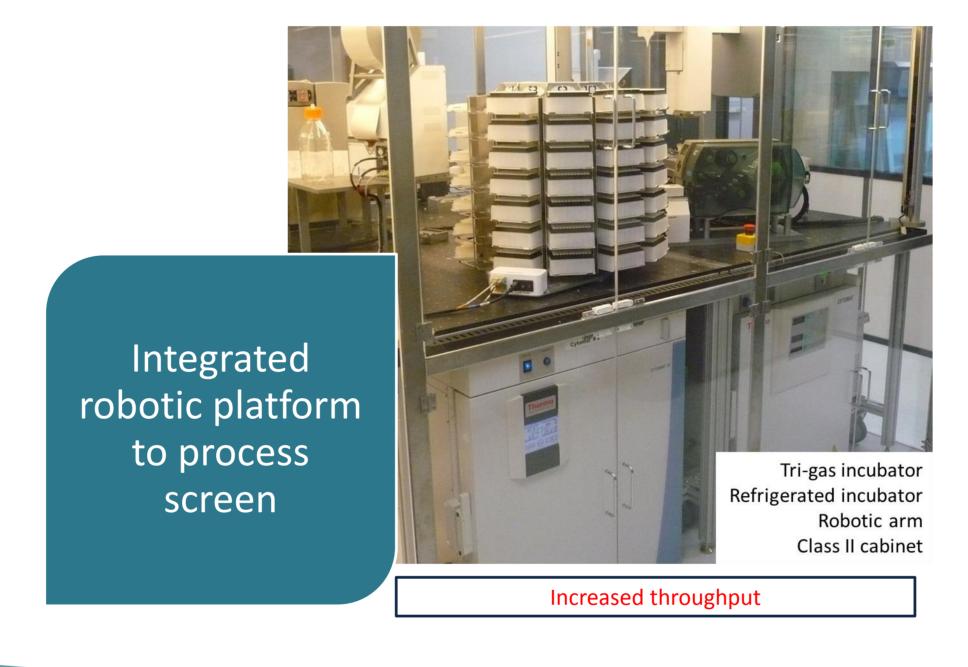


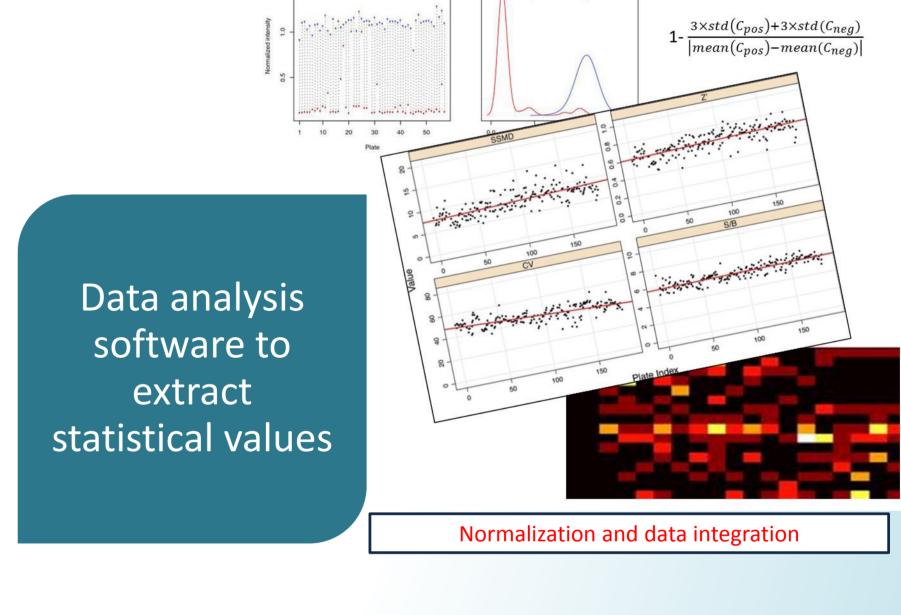


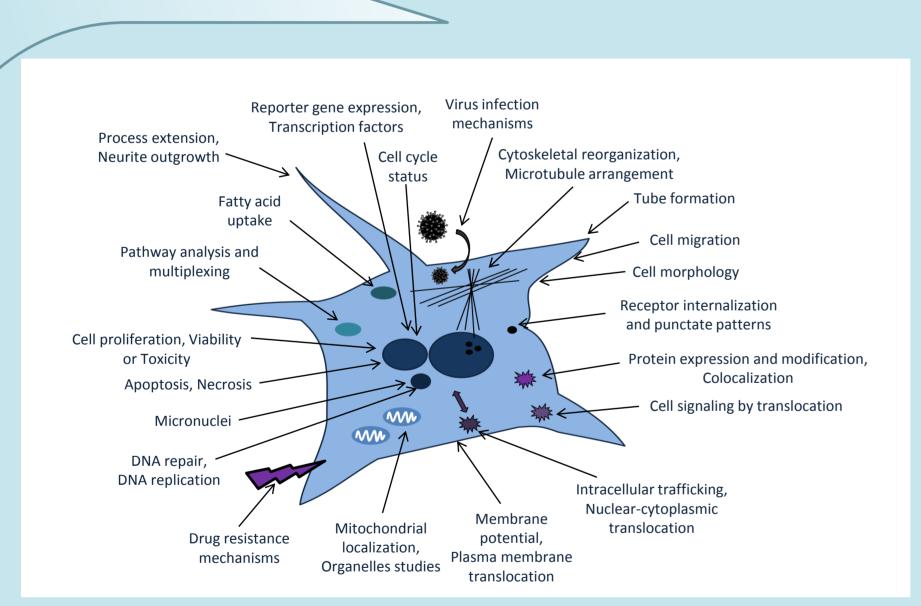


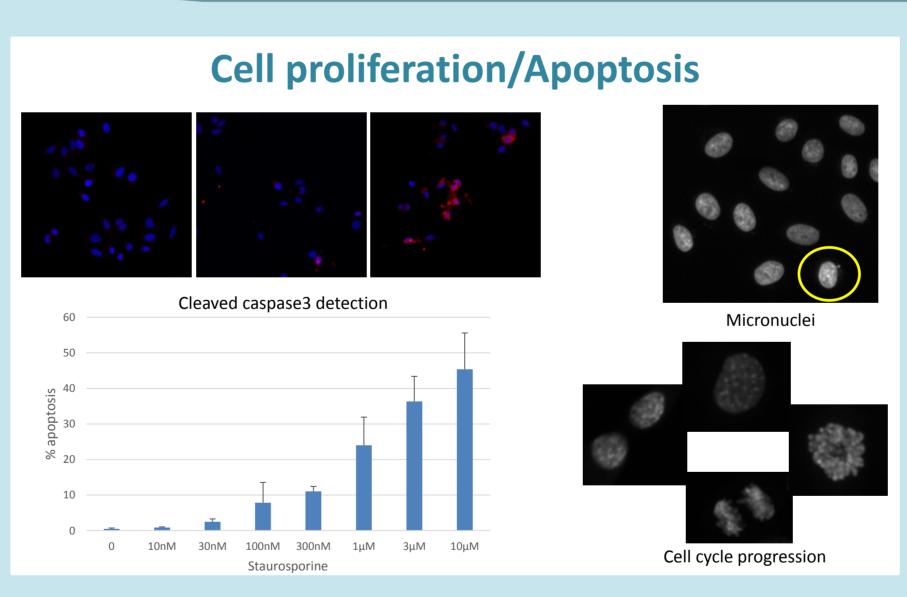


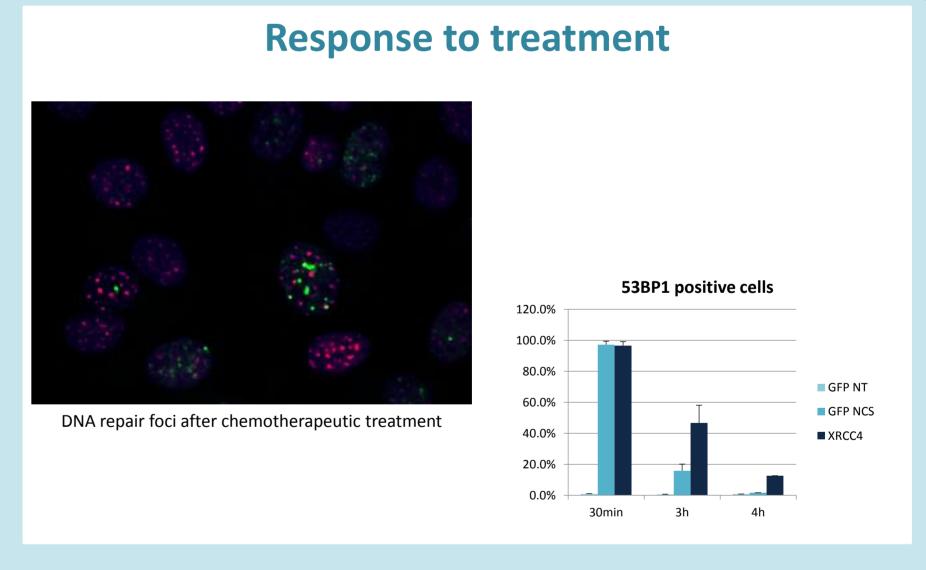


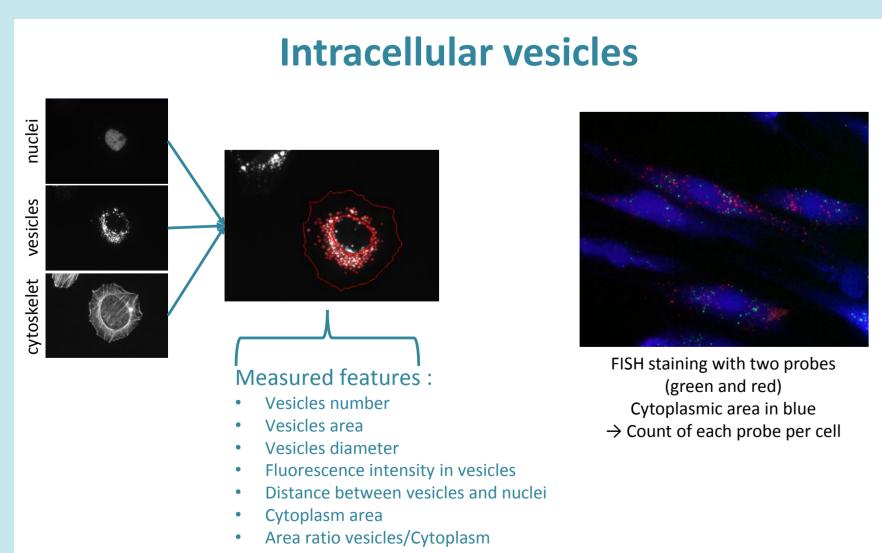


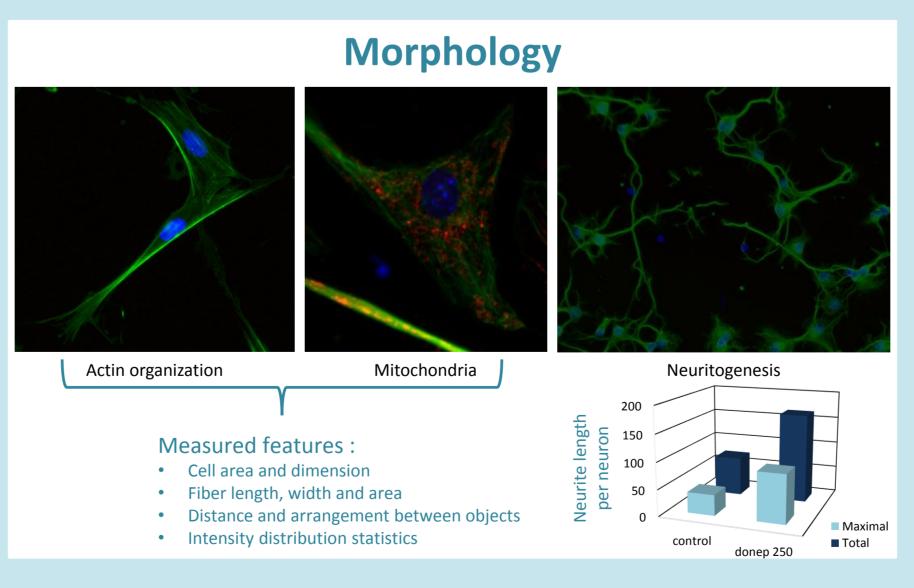


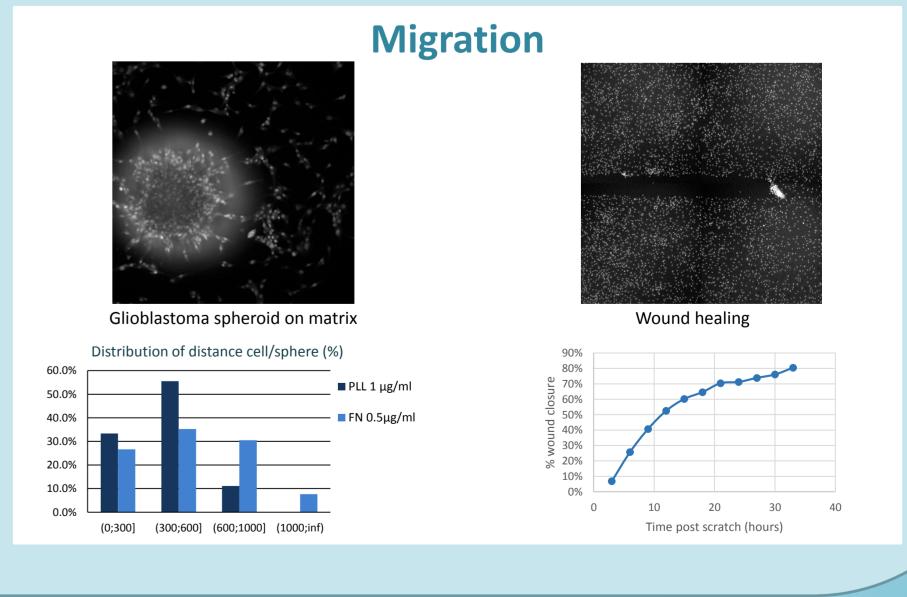














The Team

L Brino, Scientific and Technical manager

A Maglott-Roth, R&D engineer

A Weiss, Screening engineer

E Bœuf, Assistant enginner

Contact us



cellbasedscreening.igbmc.fr

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Publications

- Transcription and mRNA export machineries SAGA and TREX-2 maintain monoubiquitinated H2B balance required for DNA repair. (J Cell Biol, 2018) Evangelista FM et al.
- ❖ Genes and pathways regulated by androgens in human neural cells, potential candidates for the male excess in autism spectrum disorder. (Biol Psy, 2018) Quartier A et al.
- A molecular roadmap for the emergence of early-embryonic-like cells in culture. (Nat Genet, 2018) Rodriguez-Terrones D et al.
- * Temporal and spatial uncoupling of DNA double strand break repair pathways within mammalian heterochromatin. (Mol Cell, 2016) *Tsouroula K et al.*
- ❖ Ubiquitin Receptor Protein UBASH3B drives AuroraB recruitment to mitotic microtubules. (Dev Cell, 2016) Krupina K et al.
- ❖ A targeted functional RNAi screen uncovers Glypican 5 as an entry factor for hepatitis B and D viruses. (Hepatology, 2015) Verrier ER et al.
- * A high-throughput chemical screen with FDA approved drugs reveals that the antihypertensive drug Spironolactone impairs cancer cell survival by inhibiting homology directed repair. (Nuc Acid Res, 2014) Shahar OD et al.
- ❖ A small molecule screen identifies an inhibitor of DNA repair inducing the degradation of TFIIH and the chemosensitization of tumor cells to platinium (Chem Biol, 2014) Alekseev S et al.
- * HRas signal transduction promotes hepatitis C virus cell entry by triggering assembly of the host tetraspanin receptor complex (Cell Host Microbe, 2013) Zona L et al.