

Protein Expression Profiling | Signaling Pathway Profiling



A. BIOPROFILING

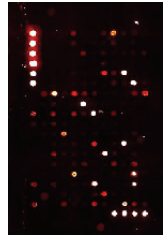
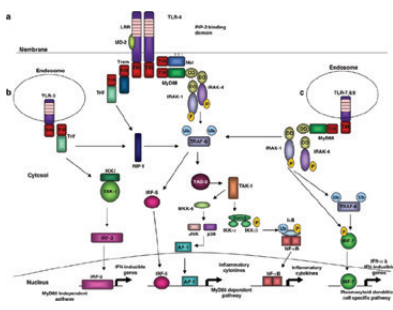
IMPACT studies the modulation of protein expression / signaling pathways by using biochips technologies (commercially-available or in-house developed protein microarrays)

- analyze the **protein phosphorylation network** (phosphoproteome)
- discriminate the **protein expression** in different tissues
- identify the **mode of action** of your drugs on signaling pathways
- discover target **biomarkers** (phosphorylation, acetylation, etc.)

Drug category	Cellular models	Modification of the signaling pathway (eg. hypo- or hyper-phosphorylated proteins)	Technology
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- Inhibitor
- Activator

- Inflammation
- Cancer
- Cosmetics



DRUG DISCOVERY SERVICES



Protein Expression Profiling | Signaling Pathway Profiling

R&D

Lead Development

Pre-clinic

Physico-chemical Characterization

B. DRUG SCREENING

IMPACT helps you to develop HTS assays on your target proteins

IMPACT allows you to evaluate the activity of modulators against our specific target library (proteins involved in apoptosis, epigenetic regulation, specific interaction receptor-ligand...) **by using our tailor-made energy transfer technology**

Models (Bret, Fret)	Target Proteins	Tested inhibitors
Apoptosis	Bax - Bclxl / Bax - Bcl2 / Puma - Bclxl	Bax - Bclxl inhibitors
Epigenetic	HDAC	HDAC inhibitors
Epigenetic	H3 Histone	Histone-specific demethylase inhibitors
Receptor/Ligand	Membrane receptors (IL2-2R, IL15-R, EGFR, etc.)	Competitive inhibitors of interleukine or growth factors
Oligomerization of molecular complexes	Receptor, transcription factors	Models to validate