BMBC168 is a shared platform for biochemistry, molecular biology and cell biology techniques in our department.

- Submit your project to the following address BMBC168@curie.fr and put your group leader/project leader in copy.

What we know how to do for you (or can help you do yourself):

**Molecular Biology:**
- Molecular cloning (digestion/ligation, InFusion ligation, Gateway cloning)
- Sequencing
- DNA purification (Maxi prep etc)
- PCR (DNA amplification)
- Mutagenesis
- Genomic DNA preparation
- qPCR (quantitative PCR)
- Microarrays
- FISH
- constructions for CRISPR

**Protein Purification:**
- Protein expression systems: E. coli, yeast (S. cerevisiae), baculovirus (in insect cells-Sf9), mammalian cells (Flp-In system HEK293 cells), cell-free protein expression
- Protein purification from tissues (brain, muscle...)
- Affinity chromatography using tags (His, GST etc)
- FPLC purification with or without tags
- Mass spectrometry analysis of proteins
- Purification of membrane proteins
- Basic techniques: SDS-PAGE gels, native gels, protein concentration by Bradford, protein labeling with fluorescent markers (Alexa etc)

**Cell Biology Techniques:**
- Transient transfection
- Stable cell line production (electroporation, lipofectants reagents, lentiviral/retroviral infection)
- Lentiviral production, concentration, titration, storage
- Immunofluorescence
- Confocal microscopy
• Flow cytometry (analyse and cell sorting)
• CRISPR
• Mycoplasma test
• ELISA test (checking absence viruses)
• STR authentication
• Microfabrication

Publications clés

Année de publication : 2017

Chaput Ludovic, Mouawad Liliane (2017 Jun 12)
Efficient conformational sampling and weak scoring in docking programs?
Strategy of the wisdom of crowds

Année de publication : 2013

A Flexible Strategy Towards Thiienyl-, Oxazolyl- and Pyridyl-Fused Fluorenones