

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

Phenotypic analysis and cell screening IGBMC

General information

| Administrative information |   |
|----------------------------|---|
| Structure                  | CNRS UMR 7104 INSERM U 1258<br>UNISTRA  |
| Address                    | IGBMC 1 rue Laurent Fries BP10142 67404<br>ILLKIRCH CEDEX   |
| Website                    | <a href="https://www.igbmc.fr/en/platforms-and-services/platforms/high-throughput-cell-screening">https://www.igbmc.fr/en/platforms-and-services/platforms/high-throughput-cell-screening</a> |
| Manager                    | Anne MAGLOTT-ROTH   |
| Contact                    | maglottr@igbmc.fr   |
| Date of implementation     | June 2023   |

| Labels / quality approach |                |
|---------------------------|----------------|
| IBiSA                     | Yes since 2017 |
| ISO 9001 certification    | No             |
| National networks         | No             |
| International networks    | ELRIG          |
| Other                     |                |

| Team                           |                       |
|--------------------------------|-----------------------|
| Number of researchers          | 0                     |
| Number of engineers            | 2                     |
| Number of technicians          | 0                     |
| Number of administrative staff | 0                     |
| Other                          | 1 scientific referent |

| Main achievements  |    |
|--|----|
| Number of screenings performed since creation  | 65 |
| Number of screenings performed per year  | 4  |
| Fields of expertise / therapeutic areas  |    |
| Oncology, developpement, neuroscience, molecular biology, cellular biology, virology |    |

Scientific Information

| Chemical Library   |                               |
|--|-------------------------------|
| Description of the collection (number of chemical molecules, natural, royalty-free products, known synthesis methods, etc) |                               |
| FDA approved Prestwick (1291 molecules), FDA approved Selleckchem (1443 molecules)   |                               |
| Conditioning   | 96 well plates, stock at 10mM |
| Database (structure, accessibility conditions)   | Storage server for the datas  |
| Member of the National Chemical Library  | No                            |

| Targets   |  |
|---|--|
| Targets for the screening service (e.g. protein targets, cell targets, etc.)  |  |
| Cell targets  |  |
| Activities (e.g. cloning, protein expression, obtaining cell lines, management and storage of lines, cell culture, etc.)  |  |
| Transfection, infection with lentivirus or other, obtaining cell lines, management and storage of lines, cell culture, cellular assay (ELISA, fluo reporter), immunostaining, image acquisition and high content phenotypic analysis, statistical analysis of datas |  |

| High throughput screening  |     |
|--|-----|
| Number of measurements/days (approx.)  | 400 |
| Biological tests proposed (e.g. in vitro enzymatic tests, cell tests (binding tests, cell survival, image analysis, etc) |     |
| Cell survival, ELISA, enzymatic assays, migration, viral infection, high content image analysis                          |     |
| Technologies / Equipment (robots, automats, etc.)  |     |
| Agilent Biocell under PSM2 environment, Cellomics automated microscopes, Berthold LB940 multimodal reader, L2 laboratory |     |

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

| Training courses offered  |  |
|---|--|
| Student training for use of instruments                                   |  |
| Theoretical course on RNA interference, screening and phenotypic analysis |  |