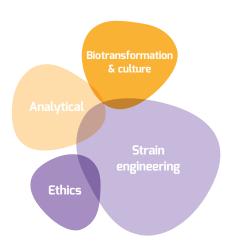


# Our strengths

**Custom service with personalised support:** definition of the best strategy depending on the specifications

**E. coli and S. cerevisiae expertise** and feasibility studies for other microorganisms

Increased through-put by automation
Integrated offer for microbial growth and
metabolite analysis



An integrated solution tailored to the needs, to accelerate the development of industrial biotechnology

### Our service

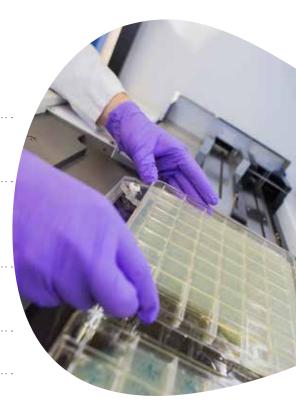
- > Construction of plasmids
- Construction of mutagenesis libraries: sitedirected and semi-random mutagenesis
- Genome engineering: gene knockout and site specific insertions
- Construction of plasmids for prokaryotic or eukaryotic systems (bacteria, yeasts): custom design, cloning, shuttle and expression plasmids, genetic tools development
- Sequence design, mutagenesis libraries construction, sequencing, cloning in a suitable expression system
- Site specific insertion of gene cassettes and gene knock out

### Deliverables

- > Plasmids in solution (tubes or 96 wells micro-plates)
- ➤ Genomic DNA (tubes or 96 wells micro-plates)
- > Mutagenesis libraries
- > Engineered microorganism strains

## Equipment

- > Liquid handling robotic stations (Hamilton): nucleic acid preparations, cloning, strain engineering
- > High-throughput colony-picker (Molecular Devices OPix460)
- ➤ Capillary electrophoresis (proteins, nucleic acids): high-throughput (Perkin Elmer Labchip GXII) and average throughput (Bioanalyzer Agilent)
- > Multimode microplate reader (Perkin Elmer Enspire): UV, visible, fluorescence
- > Thermal cycler 96/384 wells (Biorad C1000 touch)
- > Cell homogeniser (MP Biomedicals FastPrep 96)





# Additional services

- > Synthetic biology,
- > molecular biology,
- > microbial genetics,
- > strain engineering,
- > metabolic engineering projects.

#### Contact

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Customised estimate on request

