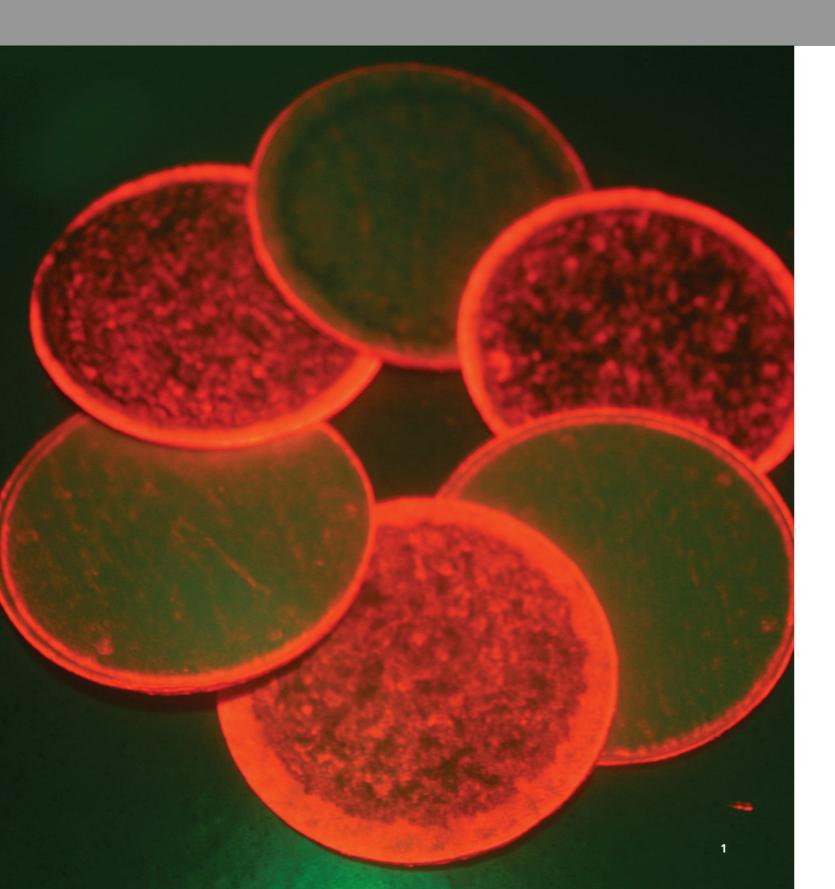
MOLECULAR BIOTECHNOLOGY RESEARCH, DEVELOPMENT AND SERVICES





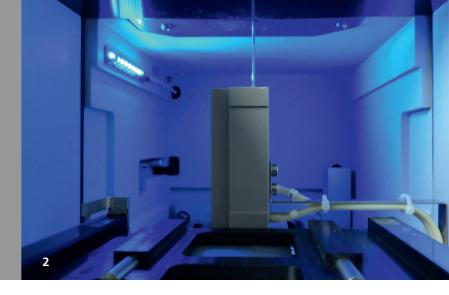
BIOPROCESS ENGINEERING

- 1 Depth filter layer used for fluorescence protein purification © Fraunhofer IME / Johannes Buvel.
- 2 30 L fermenter for the cultivation of bacteria, yeast, animal and plant cells © Fraunhofer IME / Birgit Orthen.
- Feasibility studies for the production of recombinant proteins in various expression systems in the milligram scale
- Identification of manufacturable product variants from groups of several thousand candidates
- Design of cryopreservation protocols for long-term storage and cell banking of plant cell cultures
- Development of cost-effective expression and chromatographic purification processes for technical enzymes and biopharmaceuticals in less than six weeks
- Revision of existing bioprocesses to reduce running costs and to increase profits, taking into account device and product specifications
- Analysis of bioprocesses and associated models regarding the requirements of a quality-by-design approach

Contact

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CONTRACT SERVICES

- 1 Pipetting robot© Fraunhofer IME / BirgitOrthen.
- 2 Surface plasmon resonance © Fraunhofer IME / Holger Spiegel.

Assay development for high-content screening

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DNA sequencing / DNA fragment analysis

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Metabolic engineering and natural products

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Flow cytometry analysis and cell sorting

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Generation and production of monoclonal antibodies

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Biacore interaction analysis (SPR)

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Bioprocess development

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Recombinant protein production

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