

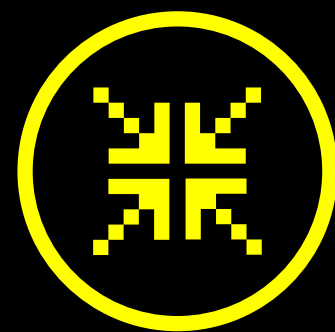
bespark ✖ bio

THE PROCESS
SCIENCE
INNOVATOR
FOR NOVEL
BIOTHERAPEUTICS

VIRAL VECTORS ✖ BIONANOPARTICLES ✖ BIOLOGICS

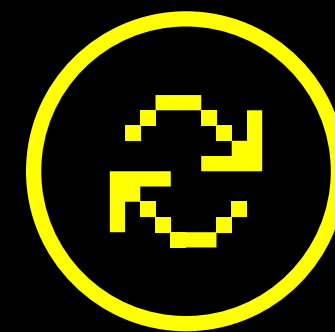
WE SHAPE YOUR JOURNEY FROM SCIENTIFIC BREAKTHROUGH TO CLINICAL DEVELOPMENT BY CREATING LEADING-EDGE PRODUCTION PROCESSES

Our comprehensive suite of services is tailored to advance novel biotherapeutics at every stage.



STRATEGY DEVELOPMENT

- CMC roadmaps & development plans
- Quality by Design support
- Vector design



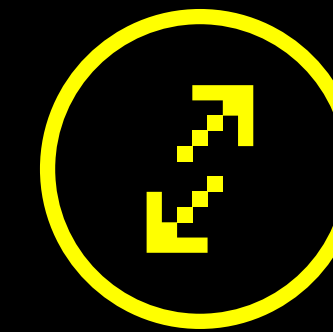
PROCESS DESIGN & DEVELOPMENT

- Upstream & downstream processes
- Process optimization
- Process characterization & scale-down models
- Cell line development & optimization



PROCESS ANALYTICS

- Analytical release & characterization plans
- Particle characterization
- Impurity profiles
- Process Analytical Technology tools

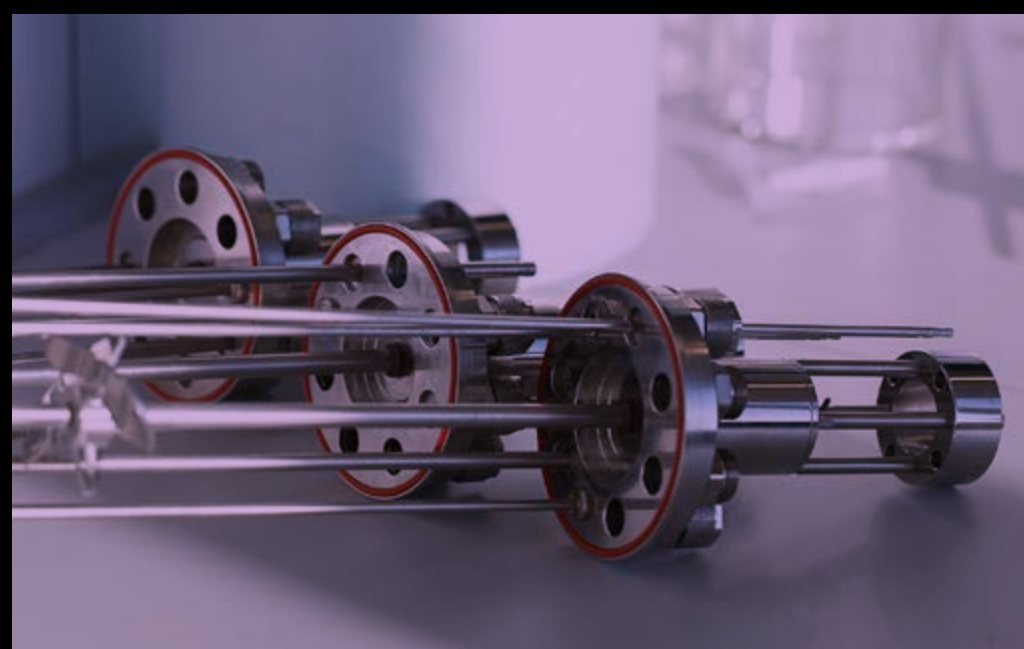


GMP-SUPPORT

- Pre-established GMP Alliances
- Seamless technology transfer
- Manufacturing oversight

WE RESOLVE KEY ROADBLOCKS IN THE DEVELOPMENT OF NOVEL MEDICINES.

Our advanced process development combines best-in-class bioprocessing expertise and state-of-the-art technology with machine-learning approaches and contemporary digitalization.



MODULAR BUILDING BLOCKS & FRAMEWORKS

Reducing complexity and development workload.

- Leveraging prior knowledge for swift and flexible process adaptation
- Pre-developed experimental techniques, protocols, and analytical methodologies
- Modular process building blocks seamlessly integrated into comprehensive process streams and full Framework technologies

DATA-DRIVEN MODELING AND MACHINE LEARNING

Unlocking valuable insights from process data.

- Advanced analytics
- Process simulation and hybrid modeling
- Reduced experimental workload, improved efficiency, and enhanced process understanding

STRATEGIC SYNERGY

Embracing a holistic approach to process development.

- QbD - Designing quality into every step of your process
- Digital transformation – Optimizing workflows and boosting productivity

THE RESULT?

- **ACCELERATED DEVELOPMENT TIMELINES**
- **ENHANCED PROCESS UNDERSTANDING**
- **MINIMIZED RISK**
- **REDUCED COSTS**

OUR EXPERTISE — YOUR SUCCESS

Whether kick-starting your project using our Framework technologies or creating a de-novo process, we drive your development project covering biotherapeutics from viral vectors & bionanoparticles to biologics.



VACCINES

A powerful tool to combat evolving threats and safeguard communities.

- We are your process development partner for swift, high-quality vaccine production amid global health challenges.
- Our Vaccine Frameworks serve as advanced launch pads for bespoke process development for your vaccine candidate. We ensure high yield and low Cost of Goods, enable scalability, and optimize resource utilization.

IMMUNO-ONCOLOGY

Precision medicine for effective cancer treatment.

- Oncolytic viruses as well as bionanoparticles and biologics provide precise targeting and potent anti-cancer activity.
- Using our Immuno-Oncology Framework technologies as advanced foundation for creating your tailored process accelerates your product development. At the same time we reduce development costs and ensure that regulatory standards are met.

CELL & GENE THERAPY

A revolutionary force in transforming medicine.

- Time-consuming and costly manufacturing processes, as well as challenges related to purity and scalability, pose barriers to the widespread clinical application of cell and gene therapy.
- Our advanced process development solutions solve bottlenecks of current approaches.

WE ARE

a biotech start-up,
offering bespoke process
development services for
novel biotherapeutics
including vaccines,
immuno-oncology, and
cell & gene therapy.

WE BELIEVE

that profound, phase
appropriate process
development & thorough
process understanding are
key factors for successful
commercialization of
novel drugs.

WE MAKE THE DIFFERENCE

by providing innovative
solutions and technologies.
We enhance process
development efficiency and
significantly de-risk your
development activities.

GET IN TOUCH

bespark bio GmbH
Muthgasse 11/2
1190 Vienna, Austria

+43 670 509 76 61
office@bespark.bio
www.bespark.bio

