



simplifying Science & Scale-up

SERVICES AVAILABLE

COMMERCIALIZATION ASSESSMENTS

- Lean Canvas definition/refinement
- Target customer identification and development
- Market Analysis

PATENT STRATEGY

- Preliminary patentability assessments
- Prior art searches/evaluations

3RD PARTY DATA VALIDATION

- Confirmation of experimental data
- Development of repeatable protocols

LAB TO MARKETPLACE DEVELOPMENT

- Development of standardized operating procedures
- Packaging of the technology into a salable product

PROJECT MANAGEMENT

- Risk assessments
- Project timelines

GRANT WRITING

- SBIR/STTR applications
- State grants ex. ASTA

CONTRACT RESEARCH

- Molecular biology
- Bioprocessing

BRIDGING CUTTING EDGE RESEARCH INTO THE COMMERCIAL FAST LANE

At Boston Mountain Biotech (BMB), we are a contract research organization that can help you transition from a basic research idea to a full-scale commercialization plan. We believe that the “proper prior planning” rule gets projects off on the right start and our team can help you assess your project’s key risks and set out strategies to mitigate them.

Our team has a combined 50+ years of experience in project management, finance, engineering, business, and law to assist you. Whether your project is a million dollar manufacturing platform or a “lean” startup, we have the team with the right experience.

Selection of past projects:

BMB conducted a commercialization assessment of a university technology developing a bioprocessing/medical device. The results of the evaluation allowed us to provide guidance on the key risks, potential target markets, and the patent filing process. The inventor was further able to use the information to steer continued research as well as file an STTR grant application to provide further funding.

BMB constructed a custom cell line to minimize manufacturing complications incurred during the expression of a biological product for an emerging biotech company.

As part of our effort to give back to the community, we regularly provide early stage technology assessments for student groups looking to commercialize university-based technologies. These evaluations include essential guidance on potential markets and their size. As the student groups continue to progress, we mentor them in the development of their “lean” business model canvas.

Our focus is on technologies in areas such as:

- Pharmaceutical Development
- FDA CM&C Regulations
- Bioprocessing
- Chromatography
- Medical Devices
- Aseptic Processes
- Food Manufacturing
- Biofuels
- Agriculture



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CONTRACT RESEARCH SERVICES



® Boston Mountain Biotech has developed the patented Lotus® cell lines that offer improved downstream purification of recombinant protein products without the reliance on affinity tags or costly resins. Currently, Lotus® has been optimized for use with ion exchange (IEX) based chromatography but we are continuing to expand the

cell line suite into other resins common to the industry. To support the use of these cell lines BMB offers services in conjunction with the sale of these cell lines to further provide integration with the client's existing processes.

Comparative utilization studies

- BMB will express and purify the client's desired recombinant protein in both the Lotus® cell line as well as a cell line of their choice
- Data will be provided comparing the two cell lines in the areas of growth, expression, and purification

Additional cell line improvements

- BMB will provide additional modifications to the existing Lotus® cell lines or design a fully customized Lotus® cell line based upon the client's specific needs
- Data analytic services can be provided to the client to guide rational choices that support efficient growth, expression, and purification methodology

MOLECULAR BIOLOGY AND FERMENTATION SERVICES

- Plasmid construction, isolation, and transformation
- Homologous recombination
- Expression studies
- Medium formulation and optimization
- High cell density (fed batch) fermentation – Applikon® platforms
- Custom cell line modification

PROTEIN PURIFICATION SERVICES

- Column selection and purification scheme design
- Custom purification and purification optimization – ATKA® and Millipore® platforms
- Post processing – tag cleavage and refolding
- Analytics, including mass spectroscopy, protein activity, ELISA, SDS-PAGE, and Western blot analysis