



Request for Proposal (RFP): Transcriptomics Services for MLSC Biobank Program

Ends on Fri, Apr 17, 2026 11:59 PM

1. Background and Purpose

MLSC is soliciting proposals for transcriptomics services to support gene expression profiling of biospecimens collected through the Biobank Program. These data will be linked with other molecular and clinical data to enable multi-omics research.

2. Scope of Work

A. Sample Handling

- RNA quality assessment and preparation.
- Support for tissue and blood-derived samples.
- Adherence to standardized handling and storage requirements.

B. Transcriptomic Profiling

- Bulk or single-cell transcriptomic workflows, as applicable.
- Reproducible library preparation and sequencing processes.
- Defined quality metrics.

C. Data Delivery

- Secure delivery of raw and processed transcriptomic data.
- QC reports and metadata.
- Compatibility with MLSC bioinformatics infrastructure.

D. Compliance and Security

- Compliance with human subject data protections, as well as MA regulations for handling human samples.
- Secure handling and transfer of data.

3. Vendor Qualifications

- Experience delivering transcriptomic services at scale.
- Strong quality control and documentation practices.
- Familiarity with multi-omics integration.

4. Proposal Requirements

Executive summary, technical approach, QC and validation, experience, implementation timeline, pricing, and assumptions.

5. Evaluation Criteria

Technical quality, scalability, integration readiness, experience, and cost.

6. Timeline

Deadline: 4.17.2026

Evaluation Period: Proposals will be weighted based on technical expertise, alignment with the MLSC's needs and cost-efficiency. Finalists may be interviewed in mid/late May. A decision will be made in May/June with a tentative commencement in June.

MLSC reserves the right to modify this timeline at its discretion.

7. Additional Terms

For questions regarding this RFP, contact: BioBank@masslifesciences.com

This RFP does not constitute an obligation to fund any proposals. The MLSC reserves the right to modify or cancel this RFP at any time and may request further clarifications or conduct interviews as part of the selection process.

Thank you for your interest in the MLSC Biobank Program

Please read the scope of work prior to submitting the proposal.

Requirements

Proposal Requirements

Responding organizations must submit a complete proposal that addresses the following elements. Proposals that do not include all required components may be considered non-responsive.

Applicant Information

Legal Name of Organization (required)

Primary Point of Contact Name (required)

First Name (required)

Last Name (required)

Primary Point of Contact Email (required)

email@example.com

Primary Point of Contact Phone (required)



Company Website (required)

example.com

Headquarters Location (required)

Country (required)

Select...



Address (required)

Address Line 2 (optional)

City (required)

State, Province, or Region (required)

Zip or Postal Code (required)

Section 1: Executive Summary

1.1 Transcriptomics Overview (required)

Limit: 500 words

Summarize transcriptomic services and alignment with MLSC goals: Single-cell and bulk transcriptomics

Section 2: Technical Approach

2.1 Sample Types and RNA Quality Requirements (required)

Limit: 300 words

Describe supported samples and RNA QC standards.

2.2 Transcriptomic Workflows (required)

Limit: 300 words

Describe bulk and single-cell workflows.

2.3 Quality Metrics and Validation (required)

Limit: 300 words

Describe QC and validation approaches.

Section 3. Data Outputs and Integration

3.1 Data Deliverables (required)

Limit: 300 words

Describe raw and processed data outputs.

3.2 Data Integration (required)

Limit: 300 words

Describe compatibility with centralized biobank data platforms.

Section 4. Compliance and Security

4.1 Regulatory and Security Controls (required)

Limit: 300 words

Describe compliance and security posture.

4.2 Data Security Controls (required)

Limit: 300 words

Describe encryption, access controls, and audit mechanisms.

4.3 Please upload documentation for all applicable laboratory accreditations, quality management certifications, and data security or privacy certifications held by your organization. (required)

Choose File

Upload a file. No files have been attached yet.

Acceptable file types: .csv, .doc, .docx, .odt, .pdf, .rtf, .txt, .wpd, .wpf, .gif, .jpg, .jpeg, .png, .svg, .tif, .tiff

Examples include, but are not limited to:

Laboratory and Quality Systems

- CLIA certification (optional, not required)
- CAP accreditation (optional, not required)
- ISO 9001 (Quality Management)
- ISO 20387 (Biobanking)

Data Security and Privacy

- SOC 2 Type II
- ISO/IEC 27001
- Other third-party security or compliance audits

Section 5. Experience and References

5.1 Relevant Experience (required)

Limit: 300 words

Describe transcriptomics projects involving human samples

5.2 References (required)

Limit: 300 words

Provide at least two references, including organization name, contact name, and email.

Section 6. Implementation and Pricing

6.1 Implementation Timeline (required)

Limit: 300 words

Describe timelines and capacity.

6.2 Pricing Structure (required)

Limit: 300 words

Describe pricing assumptions.

Section 7. Supporting Materials

7.1 Optional Uploads (required)

Choose File

Upload a file. No files have been attached yet.

Acceptable file types: .csv, .doc, .docx, .odt, .pdf, .rtf, .txt, .wpd, .wpf, .gif, .jpg, .jpeg, .png, .svg, .tif, .tiff

Upload technical documentation, sample reports, or representative data.

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Drafts may be visible to the administrators of this program.

