

Quebec: Catalyst for RNA Innovation

By aligning industry and academia, with support from Government, Quebec is a leader in innovation and a dynamic RNA biotechnology hub offering a fully integrated invention-to-commercialization pipeline.

Quebec and Canada remain high-value destinations for RNA research, innovation, investment, production and talents.

Quebec's Life Sciences Ecosystem at a glance



A major hub for pharmaceutical industry and a critical mass of manufacturing capabilities
1,500+ companies
(including 60+ CROs)



A highly qualified pool of workers for the life sciences sector
45,000+ jobs



Strong public policies to support R&D and attractive operating costs and incentives
Québec \$211M+ (2022-2025)
Canada \$2.2B+ (2021-2028)



An interconnected and collaborative ecosystem focused on innovation
300+ research and innovation centers



A robust, predictable Canadian regulatory framework open to innovation
10 RNA therapies approved in Canada

Quebec's RNA Therapies Sector - Overview and Strengths



250+

Researchers



6

Universities



30+

Research Service Platforms

35



Biotechs & Pharmas (23)
CROs (9) - CDMOs(3)

550M\$+



Investments

40



Supporting organizations

World-Class Research Institutions and Expertise

Supported by leading institutions with cutting-edge expertise in RNA science.

Strong Public and Private Investment to accelerate RNA innovation and capabilities

McGill D2R initiative (+\$356M)
AReNA (+\$30M) Moderna (+\$173M)

One stop shop for new RNA-based therapies

Advanced preclinical, biomanufacturing and clinical capabilities ensuring end-to-end RNA production and validation

Collaborative Industry-Academia Model to bridge the R&D-to-Commercialization Gap
Focus on partnerships and funding programs to bring RNA innovations to market.

Specialized RNA training programs

To build a skilled workforce for biotech and pharmaceutical industries.

AI & RNA Drug discovery

One of the world's leading AI ecosystem, integrating AI-driven RNA drug discovery

Opportunities for Collaborations

For Startups & Entrepreneurs

- Business acceleration through a dedicated entrepreneurship program, providing mentorship and funding.
- Facilitated access to venture capital and government grants.
- Integration into a highly specialized RNA innovation cluster.

For Biotech and Pharmaceutical companies

- Access to a portfolio of technologies for licensing opportunities
- De-risked funding opportunities through public-private partnerships.
- Opportunity to partner with world-class researchers and companies.
- State-of-the-art preclinical and biomanufacturing capabilities for RNA-based product development.
- Expertise in clinical trials with different sites and different modalities (mRNA, siRNA and ASO)
- Talent pipeline and workforce training programs tailored for RNA therapies.
- Government-backed economic incentives and tax credits for R&D.

For Investors

- Access to an emerging RNA therapeutics market with global scalability.

Learn More About Us!



arenapole.ca/collaboration-opportunities