## FROM MOBILIZATION TO IMPACT: MONTRÉAL INVIVO, AT THE HEART OF A VIBRANT ECOSYSTEM





Life sciences and health technologies sector

Who we are? Positioning Mission Mandate Our actions

Axes of intervention and strategic priorities

Montréal invivo: strategic actions for a stror

Stay tuned

Effervescence 2022

Visibility

**Mobilization** 

**Decision-makers** 

Our team

Our allies

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# MESSAGES FROM OUR LEADERSHIP



Martin Leblanc Co-founder and Vice-Chairman of the Board of Directors of CellCarta Biosciences and Chairman of the Board of Directors of Montréal InVivo



**Frank Béraud** Chief Executive Officer of Montréal InVivo

2022 marks the year we finally emerge from the pandemic in terms of an acute situation! It is the year that we return to a certain normalcy in the activities carried out within the ecosystem. As we look back on the year 2022, there are three themes that particularly stood out for us. The first is the issue of health data, which dominated our concerns at the beginning and then at the end of the year with the introduction of Bill 19 and then its replacement by Bill 3. Access to data is a major issue for the sector, particularly regarding research and innovation. We all know that the strength and progress of life sciences in Quebec are intimately linked to fluid, ethical and secure access to quality data. This issue will continue to keep us busy throughout the year 2023.

The second important point for us was the very successful launch of the new version of the Québec Life Sciences Strategy (QLSS) at the close of the EFFERVESCENCE event by Minister Fitzgibbon. This update of the QLSS came at the right time to take into account the changes in our environment after two years of pandemic. Once again, the government's involvement and mobilization of key sector stakeholders in this development process is a true benchmark in the creation of public policy.

The third aspect is more internal to Montréal InVivo as 2022 marked the mid-point of the organization's strategic plan. It was therefore an opportunity to analyze what is working well, what can be improved upon and what is missing in the cluster's portfolio of activities and projects. The team was attentive and learned from this first half of the four-year strategic plan. In particular, it emerged that adjustments will have to be made in 2023 to the project committees so as not to lose what was one of the distinctive features of Montréal InVivo's projects: a space for reflection on the sector's issues, a think tank that fueled the genesis of the cluster's projects. Announcements will be made shortly to address this need.

Finally, it is important for us to highlight the phenomenal work accomplished by the Montréal InVivo team. This team, which is constantly growing and changing, is always ready to take on new challenges, undertake new projects, and explore new avenues, such as those related to citizen acceptability or biomanufacturing.

Thank you everyone! And thank you to the many volunteers who are involved in the committees and other activities of the cluster.

HIGHLIGHTS OF QUEBEC'S LIFE SCIENCES AND

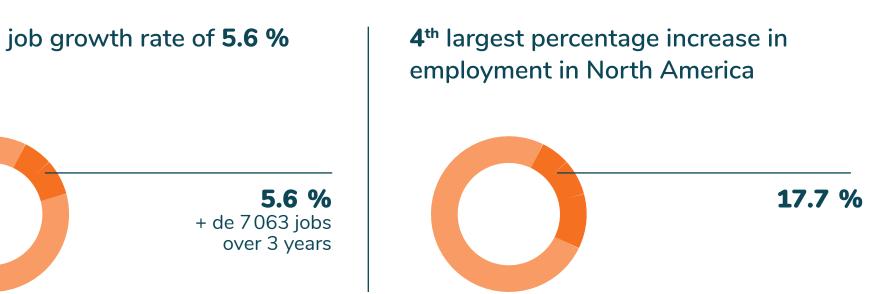
**HEALTH TECHNOLOGIES SECTOR** 

#### Ranked **10<sup>th</sup>** in North America in terms of employment intensity with **1.2%**



jobs in 2021

Annual job growth rate of 5.6 %





# INDUSTRY **SNAPSHOT**

LIFE SCIENCES AND HEALTH TECHNOLOGIES



#### Quebec between 2018 and 2021

#### Went from 12<sup>th</sup> to 11<sup>th</sup> place in terms of jobs in North America, with 46 883 LSHT

# WHO WE ARE?



#### POSITIONING

Since its creation, Montréal InVivo has been central to the life sciences and health technologies (LSHT) ecosystem. We are known for our mobilizing strength, our voice as a privileged independent interlocutor for the public sector, as well as our ability to initiate and lead impactful projects for the development of the sector.

#### VISION

Standing out through an innovative, collaborative and sustainable life sciences and health technologies ecosystem.



#### MISSION

Montréal InVivo is a network that facilitates discussion, mobilization and collaboration within the LSHT ecosystem. We provide unifying leadership of all stakeholders in the Greater Montréal area to strengthen the sector's growth, competitiveness and outreach.

#### **OUR ACTIONS**

- Studies and analyses (business intelligence)
- Mobilization and networking
- Impactful projects
- Support for businesses and entrepreneurship
- Outreach

# **AREAS OF INTERVENTION**

#### AND STRATEGIC PRIORITIES

RESEARCH AND INNOVATION AXIS	Making a significant contribution to the adoption of innovations in LSHT in Quebec is Research and Innovation axis, our organization supports and promotes initiatives ain of innovations in the Quebec health network.
TALENT AXIS	In recent years, several projects have been initiated by Montréal InVivo with the goal substantial workforce to support the needs of the LSHT sector. Through a diversifica allows us to better promote careers and the LSHT sector to the next generation, we s the pool of expertise and talent in the sector.
ENTREPRISES AXIS	The priority of action of Montréal InVivo's Enterprises axis is to create, develop and g level, we focus on capacity building and on developing an original service offer to bet
POSITIONING AXIS	Since its inception, Montréal InVivo has worked continuously to demonstrate the lead and Quebec. Our strategy includes working with non-industry players working to inc zation to collaboratively develop a dedicated offering for the LSHT sector.
CITIZEN ACCEPTABILITY AXIS	The commitment to integrate and raise awareness among citizens of the impacts of in rity for our sector. Through the citizen acceptability axis, we seek to pursue our effort mote the development of the sector.



is a priority for Montréal InVivo. Through the imed at stimulating the development and adoption

al of actively attracting a qualified, sufficiently ation of our communication practices, which seek to improve, raise awareness and integrate

grow businesses in the sector. At the strategic etter equip and support entrepreneurs.

ading role of the LSHT sector in Greater Montréal crease productivity and technology commerciali-

f innovation in LSHT in Quebec is becoming a priorts to raise awareness and involve citizens to pro-

## STRATEGIC ACTIONS FOR A POWERFUL IMPACT

The year 2022 is marked by the unveiling of several impactful government strategies and action plans, including the Québec Life Sciences Strategy, the Québec Strategy to Support Research and Investment in Innovation. the government action plan on entrepreneurship (Plan d'action gouvernemental en entrepreneuriat (PAGE)) and the Quebec Policy for Rare Diseases.

Montréal InVivo has acted on this opportunity to solidify its service offering to organizations in the sector and to develop strategic partnerships in order to better meet the needs of the

LSHT sector and help it achieve the ambitious objectives set by our various levels of government.

LSHT companies, in particular, need support in terms of expertise, access to specialized equipment, affordable work spaces and financing throughout their life cycle. Montréal InVivo is also positioning itself to support research and innovation by facilitating collaboration and linkages between different stakeholders as well as the public acceptance of the initiatives developed. To support the sector's vitality, we also act to develop the skills of a diversified

and inclusive labour pool. Finally, the cluster guides, measures and monitors performance indicators for the sector by conducting studies and analyses that will allow us to showcase the successes of our ecosystem and to find sustainable solutions to our challenges together.



## **RARE DISEASES**

## MANDATE

- 1. Enable Quebec patients suffering from a rare disease to have rapid and optimal access to therapeutic and diagnostic innovations.
- 2. Improve the competitiveness of Quebec's innovation ecosystem to attract investment and develop our skills by drawing on international best practices.

## ACHIEVEMENTS

The launch of Montréal InVivo's Strategic Plan on Rare Diseases in April 2022 and its presentation to the participants of the EFFERVESCENCE event in May are two important achievements resulting from this project committee.

Following the publication by the Ministère de la Santé et des Services sociaux (MSSS) of the Quebec Policy for Rare Diseases in June 2022, a consultation was also conducted with members of the project



committee and other stakeholders to identify several initiatives that are already in place and to recommend targets, indicators of success and concrete actions to be implemented as part of the governmental action plan for rare diseases being developed by the MSSS.

Stakeholder engagement continued in the fall to lay the groundwork for a strategic intelligence tool on new therapies indicated for the treatment of rare conditions to continue to support the community in 2023.



## INTEGRATION OF INNOVATIONS IN HEALTH TRAJECTORIES

## MANDATE

Support the integration and adoption of innovations into care pathways while promoting knowledge sharing across the continuum of care to the patient's home.

## ACHIEVEMENTS

By creating the project committee on the integration of innovations, Montréal InVivo has encouraged collaboration between the working group representing health innovation stakeholders and other stakeholders such as the MSSS Bureau de l'innovation, with the aim of proposing concrete actions to support the scaling up of innovations in health care institutions and to catalyze collaboration between innovators and the clinical community. In 2022, Montréal InVivo participated in the consolidation of several ministerial initiatives and the implementation of measures announced in government strategies, notably through collaboration with the MSSS Bureau de l'innovation to help them develop their tools for entrepreneurs. We have also initiated a reflection on the preparation of the Quebec health system for the arrival of innovations in the treatment and diagnosis of neurocognitive disorders.

Proposals and implementation of pragmatic solutions to this issue will continue in 2023.



## MANDATE

Matching the needs of a booming job market with candidates requiring additional training and practical experience to ensure proper integration and retention in the data sciences sector.

## ACHIEVEMENTS

The year 2022 was marked by the completion of the Continuum project, which came into being in 2020 with funding from the Conseil emploi métropole (CEM). The project proposed to combine high-level training in collaboration with educational institutions and practical training in the form of mentoring in companies carried out by the Computer Research Institute of Montréal (CRIM).

Through this initiative, 32 key data science competencies were profiled, nine candidates completed projects within companies, and three of them subsequently obtained permanent employment.

For the Continuum project, 2022 symbolizes the end of the two-year pilot project, the extension of the project thanks to a second financing that allows us to target bio-economy companies across Quebec, and ultimately, a great source of pride for the Montréal InVivo team!



## STUDIES ON THE ECONOMIC INDICATORS OF THE LSHT SECTOR

## MANDATE

This project aims to update a study on key indicators of the sector in terms of employment and economic value of the innovation chain.

## ACHIEVEMENTS

The first part of this study was an opportunity to compare the LSHT sector in Quebec to several Canadian and American jurisdictions on the number of employees, the variation in employment and the employment intensity according to the different sub-sectors.

This project has highlighted the relative increases in Quebec's employment ranking in the LSHT sector and the many changes brought about by the pandemic. The economic value of the innovation chain is currently being studied and will determine the percentage of Quebec's gross domestic product represented by the LSHT sector.

**ENTREPRENEURIAT INVIVO** 

## EVER-INCREASING SUPPORT FOR COMPANIES

#### ACCÉLÉRACTION EXPERT COMMITTEES

In 2022, Montréal InVivo had the opportunity to strengthen its support to companies through the implementation of an AccélérAction expert committee tailored to the MISO Chip start-up, active in drug development and personalized medicine in oncology. This committee brought great added value to the company thanks to the advice of targeted experts in their field of activity.

« The generosity of the members and Montréal InVivo allowed us to have an external perspective and advice on the company's corporate presentation and strategy. We came away with answers to our questions and new hypotheses to test with investors. »

#### MOMENTUM

Since 2022, Montréal Invivo has qualified as a relay organization for the Momentum program of the Mouvement des accélérateurs d'innovation du Québec (MAIN) which allows innovative life sciences start-ups with high growth potential to benefit from a customized support program. This program provides expert services up to a maximum of \$75,000 to accelerate the company's development and move it more quickly to the commercialization phase.

« The Momentum program and the support of Montréal InVivo has provided Jenthera with access to top quality consultants to develop its regulatory and business strategy for its Series A financing. »

# MONTRÉAL INVIVO : STRATEGIC ACTIONS FOR A STRONG IMPACT

- Testimonial of MISO Chip

- Testimonial of Jenthera Therapeutics, Inc.

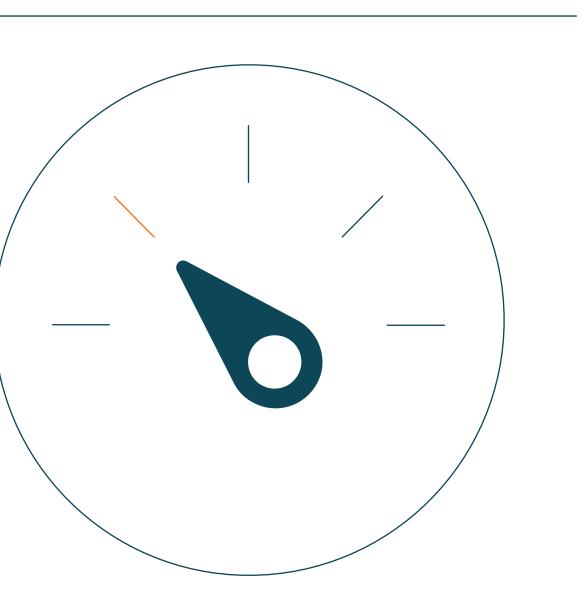
#### SME OFFENSIVE

Montréal InVivo's support for companies in 2022 is reflected in the launch of the SME offensive strategy project. The goal was to (re)connect with small and mediumsized enterprises (SMEs) in the sector in order to better understand their needs and guide our actions and collaborations in this direction. Through this initiative, the team met with more than 60 companies that were not totally familiar with Montréal InVivo's mission and the cluster's tools and services in order to help them in their business development and to mobilize new participants to our project committees.

Our mobilization efforts will continue in 2023, in collaboration with other ecosystem partners.

#### DIRECTORY OF COLLABORATIVE RESEARCH PLATFORMS

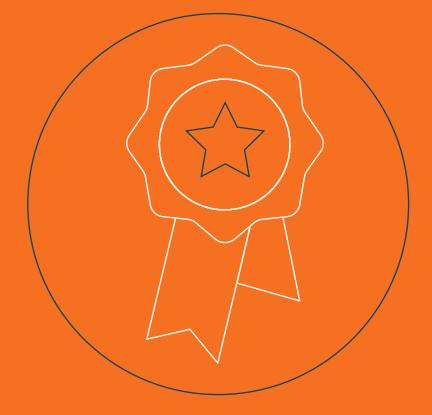
In 2022, we put a directory of academic research platforms online on the Montréal InVivo website in order to give them visibility and to foster collaborations with companies in the LSHT sector. We contacted the academic research platforms of the sector in Montreal, 104 of which agreed to appear in the directory, which is organized by the platforms' areas of expertise and is included in the toolbox of our website. We also began discussions in 2022 to identify affordable workspaces for start-ups in the sector, a process that will continue through 2023.



# OPPORTUNITIES FOR CELEBRATION

#### **BIOSUCCÈS**

The year 2022 was marked by the celebration of the 10<sup>th</sup> anniversary of Biosuccès, a Quebec-wide mentoring network dedicated to entrepreneurs in the LSHT sector. For a decade now, this network has considerably strengthened the ecosystem supporting entrepreneurship in the sector. With 19 active dyads in our network and the recruitment of three new mentors, the mentoring process allows a diversity of entrepreneurs to increase their chances of success and develop their companies.





#### LIFE SCIENCES ENTREPRENEURSHIP **DEVELOPMENT PROGRAM**

In 2022, the Life Sciences Entrepreneurship Development Program (LSEDP), created through collaboration between Montréal InVivo, the Faculty of Pharmacy at Université de Montréal and Concordia University's John Molson Executive Centre, celebrated its fifth anniversity! After five cohorts and 87 participants, this project, whose objective is to strengthen the entrepreneurial skills of LSHT leaders, will be continued in 2023, thanks to a NovaScience grant awarded by the Ministère de l'Économie, de l'Innovation et de l'Énergie (MEIE) to support the next generation. A fine example of the multidisciplinary nature of our projects, which combines the Enterprises and Talent axes in a single initiative.

**PROJECT COMMITTEE** Agreements based on the value of innovations

## STAY TUNED FOR OUR PROJECT COMMITTEES!

For more than two years now, project committees, made up of professionals working in the life sciences and health technologies sector, have been an integral part of Montréal InVivo's organizational model. Our project committees provide a forum for in-depth reflection on issues in the sector with the goal of actively working on specific, impactful projects. From research institutes, to funding and support organizations, to various levels of government and companies from multiple backgrounds, the diversity and multidisciplinary nature of the professionals who form our project committees are among our greatest strengths.

In addition to the projects mentioned above (pages 8-11), the year 2022 has seen the birth and evolution of other committees and projects that are important to our ecosystem across all of our areas of intervention. The next few pages provide an overview of some of them, for which major benefits are expected in 2023... Stay tuned! PROJECT COMMITTEE Innovations in the treatment and diagnosis of neurocognitive disorders **MANDATE** : Facilitate innovative reimbursement arrangements based on the value of therapeutic innovations.

**ACHIEVEMENTS** : In collaboration with the Quebec Cancer Coalition and several other stakeholders, the Montréal InVivo working group is intent on developing a demonstration project aimed at generating an opportunity to learn about the operationalization of this type of agreement. The pillars of this project will be developed in 2023.

**MANDATE** : Help the health care system be better prepared for upcoming innovations that have the potential to change the course of disease, by encouraging integration of innovative technologies and practices in the care trajectories.

**ACHIEVEMENTS** : This three-phase project will provide a deeper understanding of the barriers to early identification of mild neurocognitive disorders in the Quebec context, propose innovative solutions to increase early identification, and aim to evaluate the value of these solutions in real care settings. The next steps in the initiative will include conducting a survey on health professionals' perception of early detection.

PROJECT COMMITTEE <u>e-IMPAQc</u> <u>immunotherapy</u> **MANDATE** : Support the integration of an innovation that engages patients in their care trajectories and provides them with the tools so they can effectively communicate their health outcomes to their communities.

**ACHIEVEMENTS**: Patients, clinicians and researchers have worked together to adapt the e-IMPAQc program to meet the needs of patients receiving immune checkpoint inhibitor therapy and to plan a change in practice at participating sites, beginning in 2023. PROJECT COMMITTEE Mobilizing the next generation of LSHT professionals

PROJECT COMMITTEE Manpower in biomanufacturing **MANDATE** : Bring together players and initiatives to promote the development of expertise in biomanufacturing in Quebec and avoid dispersing efforts.

**ACHIEVEMENTS** : At the project committee in March 2022, our team presented a <u>map</u> of the biology training available in Quebec and produced a draft of qualifying courses in biomanufacturing. PROJECT COMMITTEE

Skills management and development

16

**MANDATE** : Create activities and projects to boost knowledge of sectors, careers and available job opportunities.

ACHIEVEMENTS : In 2022, Montréal InVivo continued to support PharmaBio Développement by implementing several networking activities to address the considerable lack of opportunities for candidates and professionals to meet and interact in the labour market, providing support that will continue in 2023.

**MANDATE** : Provide a tool to facilitate the migration of SMEs to a successful talent management culture.

**ACHIEVEMENTS** : In 2022, 7 SMEs from the LSHT sector were able to benefit from the Compétences PME program while the major trends in human resources management by sector will be presented by a consultant in 2023.

PROJECT COMMITTEE Al & health podcasts **MANDATE** : Inform and train healthcare entrepreneurs and intrapreneurs on the challenges of healthcare and artificial intelligence.

**ACHIEVEMENTS** : This French-language training podcast on Al in health was developed in 2022, in partnership with Humaniteq and the CHUM's École d'intelligence artificielle en santé (ÉIAS). The 3 series of 4 episodes, each with a specific level of knowledge, will be aired in 2023. PROJECT COMMITTEE EDI (equity, diversity and inclusion)

BILL 19 Access to health information **MANDATE** : Illustrate the impact of Bill 19 on organizations in the LSHT sector.

**ACHIEVEMENTS** : In the winter of 2022, Montréal InVivo collaborated with Forum IA Québec on a consultation with AI-health companies to gain a better understanding of the impact of the new Bill 19 on their activities, following which a report was submitted to the MSSS. Broader consultations were also conducted in the fall of 2022 to better identify the issues related to Bill 3 and to continue the work in 2023. 17

**MANDATE** : Raise awareness in the sector of the level of equity, diversity and inclusion (EDI) now and in the future.

ACHIEVEMENTS : At EFFERVESCENCE, a session moderated by Women in Bio and funded by Ville de Montréal focused on the place of women on boards of directors. At the event, training on neurodiversity in work teams and training on EDI offered by IVADO were also offered. Montréal InVivo will also represent Quebec in the IDEA project initiated in 2022 by Life Sciences Ontario (LSO) in collaboration with adMare, Pfizer and Shift Health. The initiative aims to take stock of the state of EDI in Quebec in the life sciences through 3 focus groups and will include members of the EDI project committee.



#### **PARTICIPANTS IN PROJECT COMMITTEES IN 2022**

Agreements based on the value of innovations

Alain Couture GSK

Allison Wills 20Sense

**Benoit Tousignant** Novo Nordisk

**Donald Allard** Bristol Meyers Squibb

**Eva Villalba** Coalition Priorité Cancer Québec

France Migneault Gilead

**François Laflamme** IQVIA

**Geneviève Pelletier** Quebec Association of Proprietor Pharmacists

**Geneviève Plamondon** Institut national d'excellence en santé et en services sociaux (INESSS)

Hasna Rouighi Ministère de la Santé et des services sociaux du Québec **Isabelle Gagnon** AstraZeneca

**Jean Jutras** AstraZeneca

Jean Lachaine Université de Montréal

Jean-Luc Fortier AbbVie

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Julie Gauthier Amgen

Keith Woolrich McGill University Health Centre

Natalie Verreault Roche

**Ranya El Masri** GSK

**Stéphane Barakat** AbbVie

**Stéphanie Lacroix** Merck

**Sylvie Baril** Janssen Sylvain Clermont Incyte

**Thérèse Gagnon-Kugler** Vertex Pharmaceuticals Inc.

Valérie Guillot Ministère de la Santé et des services sociaux du Québec

Vincent Raymond Pfizer

Innovations in the treatment and diagnosis of neurocognitive disorders (NCDs)

Agnès Xenopoulos Eli Lilly Canada

Anne-Marie Rivard Roche

Antonin Caron Roche

**Geneviève Tousignant** Eisai

**Geneviève Pelletier** Quebec Association of Proprietor Pharmacists Isabelle Girard Plakett Services Cliniques

Louis Verret Neurologist - Clinique interdisciplinaire de mémoire du CHU de Québec (CIME)

Nicolas Beaudet Omnimed

Nouha Ben Gaied Federation of Quebec Alzheimer Societies

Sabrina Fettal MEDTEQ+

**Yves Couturier** Réseau 1 Québec

Ziad Nasreddine Institut et Clinique MOCA

Integration of innovations into care trajectories

Alain Couture GSK

Antonin Caron Roche

Anne-Marie Rivard Roche 18

**Danielle Routhier** Ministère de la santé et des services sociaux du Québec

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#### AI & health podcast

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**Christian Blouin** Patient partenaire

**Fares Antaki** Université de Montréal

Jessica Forcillo Centre hospitalier de l'Université de Montréal Julie Grégoire Centre hospitalier de l'Université de Montréal

Mariem Abid Centre hospitalier de l'Université de Montréal

Marie-Paule Jeansonne Forum IA Québec

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**Oriane Morriet** Humaniteq

Sarah Gagnon-Turcotte Conseil de l'innovation du Québec

**Steve Labbé** Ministère de la Santé et des Services sociaux du Québec

**Therence Bois** Valence Discovery

#### Rare diseases

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Anita Burgun Université de Sherbrooke

**Casandra Poitras** Association de la Neurofibromatose du Québec

**Cyril Bories** Ministère de la Santé et des Services sociaux du Québec

**Denis Laflamme** Takeda

**Diana Iglesias** Genome Québec

**Diane Brisson** Ecogène-21

**Dominique Grenier** AstraZeneca

**Donald Vinh** McGill University

**Hélène Vidot-Delerue** Université du Québec à Montréal

**Hermance Beaud** Université du Québec à Montréal

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Jonathan Pratt Regroupement québécois des maladies orphelines **Liliana Polcari** Biogen

Marie-Claude Battista Université de Sherbrooke

Marie-Hélène Bolduc Muscular Dystrophy Canada

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**Olivier Jérôme** Catalis Québec

**Roxanne Dault** Université de Sherbrooke

Vincent Mooser McGill University

Vincent Raymond Pfizer

**Thérèse Gagnon-Kugler** Vertex Pharmaceuticals Inc.

#### Continuum

Élisabeth Droz Pharmabio Développement

**Fanny Leroux** Computer Research Institute of Montréal (CRIM)

**France Dussault** Qualifications Québec

Marie-Pierre Ouellet Morand Collège Ahuntsic

Nathalie Leblanc Qualifications Québec

Nathalie Parent Université de Montréal

**Ricardo Acevedo** Qualifications Québec

Virginie Chartrand Collège Ahuntsic

#### Skills-SME

**Béatrice Perier Agostini** AéroMontréal

**Catherine Lavoie** Montréal Metropolitan Community (CMM)

**David Lampron** Équipe Humania Julie Poirier Conseil emploi métropole

Martin Hamel GORD Associates Consulting

Mélanie Lussier Propulsion Québec

**Sylvain Giguère** Montréal Metropolitan Community (CMM)

#### Next Generation InVivo

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**Célia Jacoberger-Foissac** CHUM Research Centre (CRCHUM)

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**Cynthia Kwan** McGill University

Michelle Savoie Université de Montréal

Moushumi Nath McGill University

**Prisca Bustamante** McGill University

Romane Oliverio Polytechnique Montréal Thomas Milan Institute for Research in Immunology and Cancer (IRIC)

**Tina Gruosso** Advanced Accelerator Applications

### Manpower in biomanufacturing

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Arianne Trudeau Médicament Québec

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**Éric Athlan** Collège Ahuntsic

**Frédéric Leduc** Immune Biosolutions

**Gregory de Crescenzo** Polytechnique Montréal

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Julie Patenaude Grifols

Joanne Jordan BioTalent Canada Karine Souffrez Institut national de la recherche scientifique

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Marc Servant Université de Montréal

Michel Fafard Cégep Gérald-Godin

**Mounia Azzi** AdMare BioInnovations

Nadia Dubé Investissement Québec

Nawel Bailey-Rojkjaer SmokePond Biologics

Patrick Daoust CASTL

Penny Walsh-McGuire CASTL

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**Richard Grégoire** Teva Canada **Sébastien Sabbagh** Montreal Clinical Research Institute (IRCM)

**Sophie Lerouge** ÉTS Montréal

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**Christophe Manhes** Québec Vitae

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James Doyle Modelis

Laurent Ziri Jenthera

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Naouel Hanani Startup Montréal

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**Pamela Champagne** District 3

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Vanessa Marsan Ministère de l'Économie, de l'Innovation et de l'Énergie Equity, Diversity, Inclusion (EDI)

Anne No-Delaide RBC Royal Bank

**Christine Lennon** Incyte

Diane Côté MEDTEQ+

**Dominique Michaud** Concordia University

Inès Holzbaur Amorchem

Jennifer Chan Merck

Joanie Fournier Diex Recherche

**Julie Mantovani** Université de Montréal Laurence Rulleau CTI Life Sciences

Mariève Blanchet Université du Québec à Montréal

Michelle Savoie Université de Montréal

Nadia Di Chiara Fonds FTQ

**Neila Kaou** Polytechnique Montréal

**Sarah Jenna** MIMs

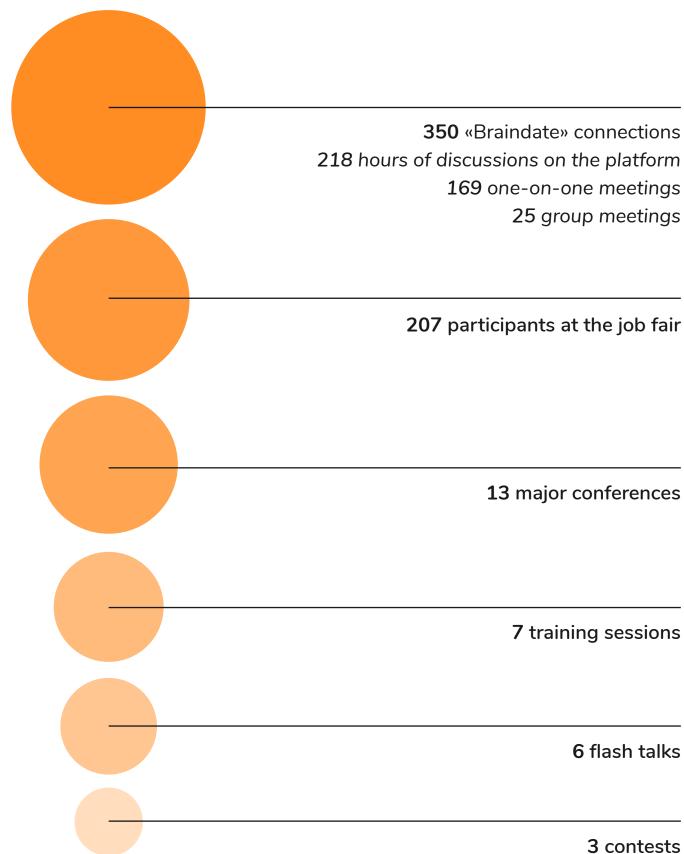


#### SCIENCES EFFERVESCENCE

On May 10, 11 and 12, 2022, more than 588 people went to the Marché Bonsecours in Montréal for the third edition of EFFERVESCENCE. After two long years of pandemic, this flagship life sciences event in Quebec was held in person and proved to be a great success! The third edition of EFFERVESCENCE brought together 17 partners whose fruitful collaboration allowed for the implementation of a multidisciplinary and innovative program of the LSHT sector, marked by candid, enriching discussions between scientists, entrepreneurs, students, investors and professionals in the sector. The event also served as a platform for the unveiling of the Québec Life Sciences Strategy by Minister Pierre Fitzgibbon.

THE FUTURE OF LIFE

The 2022 programming promoted collaboration and networking between various industry players, offering many opportunities to forge business relationships, meet new people, participate in inspiring conferences and discover what's new in Quebec's LSHT sector.



350 «Braindate» connections 169 one-on-one meetings 25 group meetings

207 participants at the job fair

**13** major conferences

7 training sessions

6 flash talks

3 contests

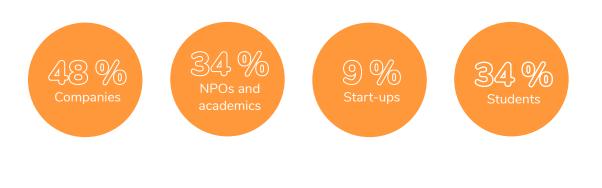








The broad diversity in the general profile of the attending the third edition of <u>EFFERVESCENCE</u> greatly contributed to the success of the event in 2022!





#### CONTEST

#### TELL US ABOUT YOUR RESEARCH IN 180 SECONDS

The 2022 edition of EFFERVESCENCE highlighted young professionals of the next generation of scientists who value scientific popularization skills, through the "Tell us about your research in 180 seconds" Contest. Out of 37 applications, the 10 finalists from bachelor to post-doctorate level, were able to present their research project for 3 minutes on the Pitch Stage. This contest, which was made possible thanks to the support of PharmaBio Développement, VisTaScience and Montréal InVivo, brought out four winners: <u>Rebecca Cusseddu</u>, winner of the Gold Award, <u>Gabriel Blanco Gomez</u>, winner of the Silver Award, and <u>Namasthée Harris-Gauthier</u> and <u>Jade</u> Latraverse-Arquilla, winners of the Bronze Award.

#### CONTEST

#### **EFFERVESCENCE STARS CONTEST**

The second edition of the EFFERVESCENCE Stars Contest rewarded three young Quebec researchers whose scientific contribution and recent collaboration with the LSHT sector have been remarkable. As part of this competition, a jury composed of six members of the ecosystem elected three winners out of 10 applications received, namely <u>Marina Martinez</u>, <u>Ahmad Haidar</u> and <u>Andrés Finzi</u>. Prizes of \$1,000 per winner were presented by Gilead, contest sponsor, and awarded by the 2021 winners to the 2022 winners. 22

#### CONTEST

#### PAN-CANADIAN START-UP PITCH COMPETITION

For a second year, 10 LSHT start-ups from across Canada were showcased at EFFERVESCENCE through the Pan-Canadian Start-up Pitch Competition, with the following start-ups from across Canada qualifying as finalists: HDAX Therapeutics, NeuroServo, FemTherapeutics Inc, Ditch Labs, Paperplane Therapeutics, Targa Biomedical, Axolotl Biosciences, MISO Chip Inc, Xpan Inc, Saguaro Technologies, LifeEngine Technologies Inc and Ivano Bioscience. Over \$53,000 in cash and eight in-kind prizes were donated by sponsors: Pfizer, adMare BioInnovations, Fonds de solidarité FTQ, National Bank, Centech, Desjardins, MEDTEQ+, Investissement Québec, Amplitude Ventures, District 3, BioQuébec, CQIB, MedTech Canada, Oyster Venture Partners, CQDM and Fasken.

# VISIBILITY

To ensure the organization's outreach in the LSHT sector and to achieve our strategic priorities, it is essential to rely on our communication channels and the messages they convey. Each year, our media presence expands, offering greater visibility to our many projects, our partners and ultimately, our mission.

The year 2022 was a milestone for Montréal InVivo, which reached **10,000 subscribers** on its LinkedIn page. This milestone reflects the growing visibility of our organization in the LSHT ecosystem and the numerous opportunities for mobilization, collaboration and dialogue that can result from Montréal InVivo's active presence on social media. FIGURES AND STATISTICS NEWS 2022

## NEWSLETTERS

78 NEWSLETTERS



of newsletters

4,898 subscribers to our newsletters









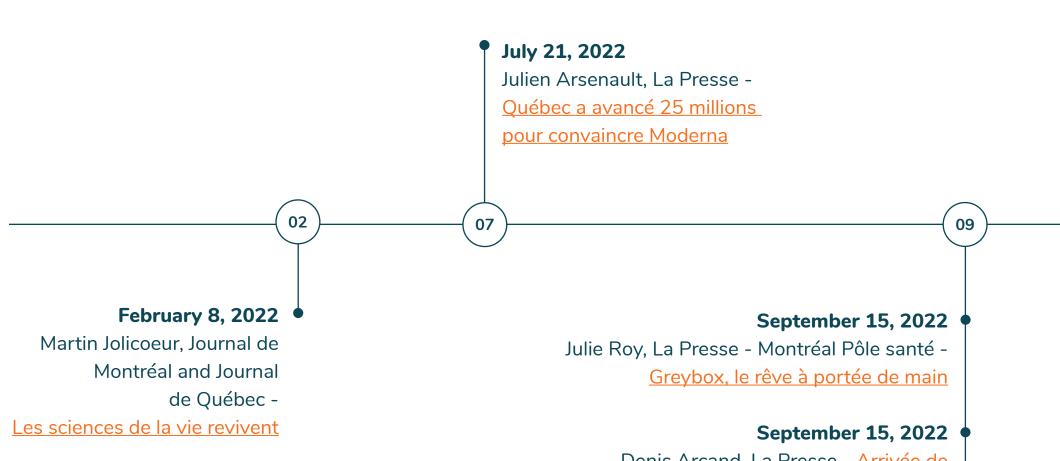


FIGURES AND STATISTICS









Denis Arcand, La Presse - <u>Arrivée de</u> moderna : un sérieux coup de pouce pour le bassin montréalais

#### September 26, 2022 •

Martine Letarte, La Presse -Portfolio sur les Biotechnologies 11

25

 October 18, 2022
 Didier Bert, La Presse - <u>Ce que représente</u> <u>l'intelligence artificielle dans le secteur des</u> <u>sciences de la vie dans le Grand Montréal</u>

October 18, 2022 Simon Lord, La Presse - <u>Portrait chiffré du</u> <u>secteur et de ses professionnels</u>

**October 27, 2022** Stéphane Desjardins, Mentorat d'affaires -<u>Frank Béraud: la passion des sciences</u> <u>de la vie ?</u>

10

November 9, 2022 Andres Finzi (Étoiles EFFERVESCENCE), La Presse – <u>Une avancée montréalaise</u> <u>prometteuse</u>



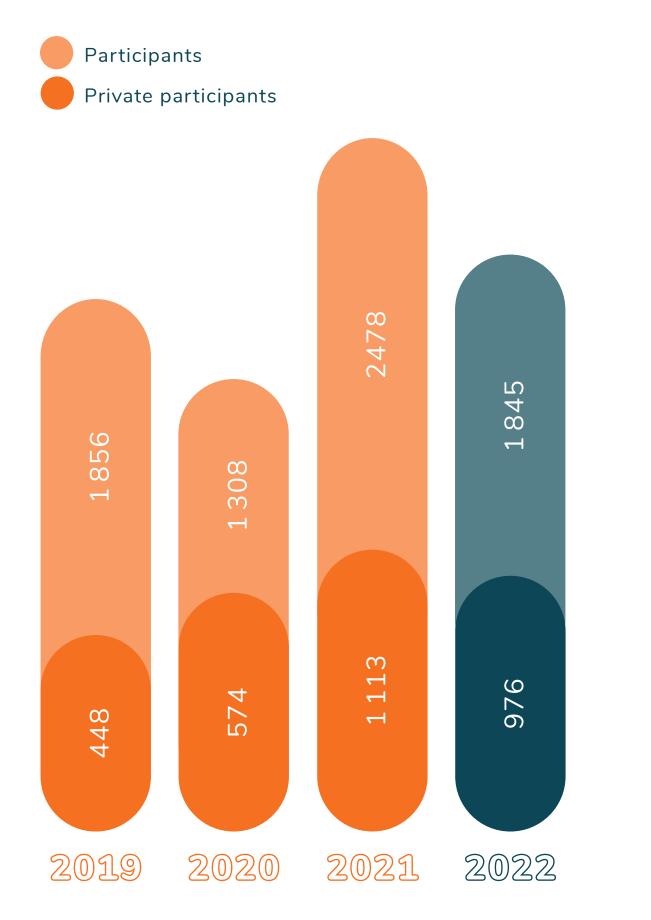
As usual, the members of the Montréal InVivo team organized and participated in several events throughout the year. Whether on their own or in collaboration with their many partners, the activities organized in 2022 reflect the diversity and multidisciplinary strength of the sector in which the organization is actively involved.





In an effort to adapt to the hybrid business networking trends that have emerged in the context of the pandemic, Montréal InVivo has worked together with the B2B/2GO platform on several events in 2022. This collaboration aims to promote business networking within our organization, an essential lever for business development and ultimately, for the growth and promotion of Quebec and Canadian industries, know-how and economy.

#### PRESENCE OF THE CLUSTER'S STAKEHOLDERS









total hours of participant involvement MOBILIZATION



Total in-kind contribution



In in-kind public or semi-public contributions

\$ 308,800

In in-kind industrial contributions

# **DECISION-MAKERS**

Alexandre Le Bouthillier Linearis

**Andrew Plank Roche Diagnostics** 

**Benoit Boulet** McGill University

**Catherine Lunardi** GENAIZ

Cédric Bisson Teralys Capital Inc.

**Christine Lennon** Incyte Biosciences

**Dominique Bérubé** Concordia University

**Fabrice Brunet** CHUM

Frank Béraud 🏠 Chief Executive Officer Montréal InVivo

Geneviève Guertin Fonds de solidarité

**Gordon McCauley** AdMare Bioinnovations

Jacques Milette MEDTEQ+

Jean-Maurice Plourde Honorary member

Marie-Ève Côté ROBIC

**Rémi Quirion** Fonds de recherche du Québec

**Rhian Touyz** McGill Universit Health Centre

Véronique Bougie Semathera

**Yves Joanette** Université de Montréal CHAIRMAN OF THE BOARD Martin LeBlanc 🏠 Caprion Biosciences Inc. / CellCarta

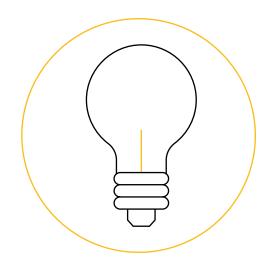
SECREYARY-TREASURER OF THE BOARD

Pierre Falardeau 🏠 Consultation Pharma-Asset Inc.

VICE-CHAIR OF THE BOARD

Diane Gosselin 🏠 Biopharmaceutical Research Consortium

Members of the Executive Committee



# OUR TEAM

Known for being a passionate and collaborative team, the values and collective vision of Montréal InVivo's members facilitate our ability to rally around common goals and work together with the many LSHT industry players.

#### A HEART-FELT THANK YOU

The year 2022 was also marked by the departure of two true pillars of the organization, who were members of Montréal InVivo for over ten years: Nathalie Ouimet, Montréal InVivo's former Vice-President of Operations, and Diane Hubert, Executive Assistant and Corporate Affairs Coordinator for the organization, who celebrated her well-deserved retirement after a great career! Thank you both for your many years with the team and we wish you all the best for the future!

We also want to take this opportunity to thank Véronique Rochefort, Ève Labissière and Laurence Guilbault for their contribution to the team and their involvement in many projects in 2022, especially in communications and EFFERVESCENCE.

#### **RENEWAL AT MONTRÉAL INVIVO**

Despite a few departures, the Montréal InVivo team has nevertheless grown, with the arrival of five new members. The year 2022 represents a turning point for the organization, with a new dynamic team whose diverse backgrounds and profiles only enrich the projects in which we are involved.



#### THE TEAM'S MOST NOTABLE ACHIEVEMENTS IN 2022 AND

#### **MOTIVATIONS FOR 2023**



2022 Achievement: The Continuum pilot project came to an end and the funding was established to ensure its continuity.

2023 Motivation : The growing team and the implementation of tools and collaboration to better support the ecosystem.



Alizée Gouronnec Director – Business Development (SMEs) and Business Intelligence

2022 Achievement: Appreciated the work of students and post-doctoral fellows through the success of the first competition for popularizing scientific research projects in plain language at EFFERVESCENCE 2022.

**2023 Motivation :** Strengthen our relationships with SMEs in the sector to better identify their needs and increase our contribution to the development of Quebec's entrepreneurial fabric.



companies.



**Farah Bendahmane** 

Senior Director – Strategic Development and Partnerships

2022 Achievement : Montréal InVivo's Strategic Plan on Rare Diseases unveiled.

2023 Motivation : Opportunities and challenges related to the new laws for access to health information and the redesign of the health system in Quebec.



2023 Motivation : Develop new financial and business partnerships to support Montréal InVivo's growth.

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#### **Claudie Noël** Senior Director - Operations

#### **Robin Durand Director - Integration of Innovation**

2022 Achievement: Celebrated the 2022 EFFERVESCENCE Stars, rewarding collaborations between researchers and

2023 Motivation : Develop concrete tools to encourage collaboration between the health network and innovators.

#### Frank Béraud Chief Executive Officer

2022 Achievement : Montréal InVivo's Strategic Plan on Rare Diseases was unveiled.



Laila Benameur ☆ Director - Entrepreneurship

**2022 Achievement :** An ecosystem mobilized to support promising start-ups during the EFFERVESCENCE pitch competition.

**2023 Motivation :** Value and support innovative entrepreneurs in LSHT.



**2023 Motivation :** Strengthen EFFERVESCENCE's relevance in the Quebec life sciences ecosystem.



Aubrée Brodin ☆ Project Manager

**2022 Achievement :** Took on a new position at Montréal InVivo, after leaving clinical research.

**2023 Motivation :** Be increasingly involved in the various projects set up at Montréal InVivo and make the AI Health Podcast as widely known as possible throughout the sector.



Joëlle Chrisphonte ☆ Digital Communications Manager

**2022 Achievement :** Organized the first in-person «Ask the Expert» event.

**2023 Motivation :** Work with new tools to better understand and target our online community.



Inès Desanlis 🏠 Project Manager

**2022 Achievement :** Left academic research to join Montréal InVivo and take on a new role in the ecosystem.

**2023 Motivation :** Set up an impactful project to promote collaboration between academic platforms and industries in the sector.



Malak Salah 🗘 Communication and Marketing Manager

2022 A field.

**2023 Motivation :** Further develop Montréal InVivo's marketing focus to strengthen and promote the organization's visibility in the sector.

Sophie Dallaire 🟠 Project Manager – EFFERVESCENCE

**2022 Achievement :** New professional challenge: taking charge of producing EFFERVESCENCE 2023.

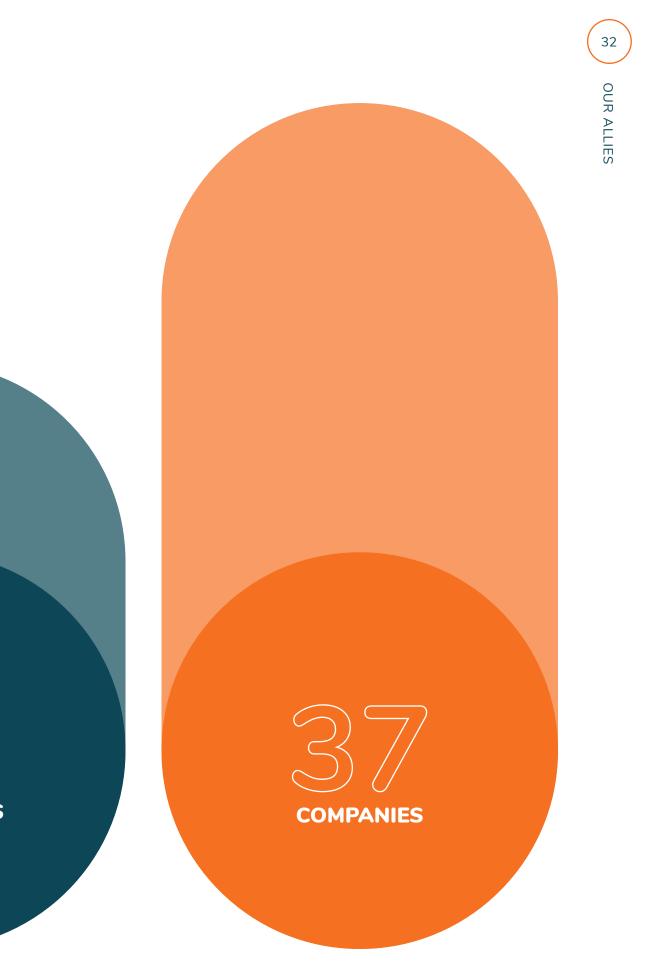
2022 Achievement: Start a first work experience in a new

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igh

# **OUR ALLIES**

HEALTHCARE INSTITUTIONS

SUPPORT ORGANIZATIONS ACADEMIC



## IN 2022 OUR FINANCIAL PARTNERS

#### Abbvie

AstraZeneca Canada Inc. Bausch Health, Canada Inc. Boehringer Ingelheim Canada Ltd Bristol-Myers Squibb Canada Co. Gilead Sciences Canada, Inc. GSK Incyte Biosciences Canada Janssen Pharmaceuticals, dba Johnson & Johnson Merck Canada Inc. Novartis Pharma Canada Inc. Novo Nordisk Canada Inc. Organon Canada Inc. Pfizer ROCHE **Teva Canadian Innovation** 

Vertex Pharmaceuticals (Canada) Inc. CellCarta CIRION Biopharma Recherche Inc. IOVIA Les laboratoires BNK Inc. Mispro Biotech Services Amgen Canada Inc. Biogen GENAIZ Imagia Cybernetics Inc. TELUS Solutions en santé Inc. Amplitude Ventures Entreprises AmorChem Inc. Fiducie Alter Ego Le Bouthillier Fonds de solidarité (FTQ) Teralys Capital (Fonds d'Innovation) Inc.

Conseillers en gestion et informatique (CGI) Fasken Martineau DuMoulin Plakett Services Cliniques Sectoral Asset Management TACTIX CERASP École de technologie supérieure – ÉTS The Research Institute of the McGill University Health Centre (RI-MUHC) Institut national de la recherche scientifique – INRS Institut National D'Optique (INO) Polytechnique Montréal Concordia University McGill University Université de Montréal AdMare Bioinnovations

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BIOOuébec

BioTalent Consortium MEDTEQ+ Consortium de recherche biopharmaceutique (CQDM) Médicaments novateurs Canada Centre hospitalier de l'Université de Montréal (CHUM) Centre intégré universitaire de santé et de services sociaux du Centre-Sud-de-<u>l'Ile-de-Montréal (CIUSSSCS)</u> National Research Council Canada (NRC) Fonds de recherche du Québec-Santé (FRQS) Ville de Montréal Communauté métropolitaine de Montréal

## IN 2022 OUR COLLABORATORS

Aéro Montréal AluQuébec Aurora Cannabis Axelys B2B/2GO BIOTECanada **BML** Technology Bureau du cinéma et de la télévision du Québec **Business France** CAF CargoM CATALIS Québec Cégep Gérald-Godin CFI S Centech Centre de recherche du CHUM Centre d'expertise industrielle de Montréal

Chambre de commerce du Montréal métropolitain Clairvest Collège Ahuntsic Collège John-Abbott Conseil national de recherches Canada Consortium de recherche biopharmaceutique **Court Square Group** Desjardins Développement économique Canada Digifab QG Écotech Québec Emploi-Québec Esplanade Québec **Finance Montréal** Gouvernement du Canada Hacking Health

Institut national d'excellence en santé et services sociaux Innovation. Sciences et Développement économique Canada Institut de recherches cliniques de Montréal Institut TransMedTech Investissement Québec Institut de recherche en immunologie et en cancérologie IRICoR IVADO John Molson School of Business KAKEE **KPMG** Canada Le Réseau Mentorat Les Offices jeunesse internationaux du Québec

Mila

Organization

Organon

Pangea Consultants PME Montréal

Prompt

**Propulsion Québec** Qualifications Québec Quartier de l'innovation en

santé

SAGE Innovation Services Québec

Sherbrooke Innopole

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TechnoMontréal/NUMANA Université du Québec à Montréal

Mispro Biotech Montréal International **Ontario Bioscience Innovation**  MAACS Biopharma Consulting Medtech Canada Ministère de la Santé et des Services sociaux du Québec Mmode Montréal International Ordre des chimistes du Québec OROKOM Palais des congrès de Montréal Paraza Pharma Pharmabio Développement Polytechnique Montréal ROBIC <u>Société de recherche sur le</u> cancer Ville de Laval



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