

## Leading in a New Era

Foreword Ou

Our Scope of Impact

Scientific Leadership

**Cutting-edge AI Research** 

**Adoption & Innovation** 

Governance & Global Reach

**Talent & Community** 

**Financials** 

Valérie Pisano. President and CEO



Pierre Boivin, Chairman of

the Board

Hugo Larochelle,

Scientific Director

#### An Era of Strategic Transformation and Renewed Ambition

This Impact Report comes at a pivotal moment in the evolution of artificial intelligence. Amid a rapidly shifting global landscape, we are witnessing not merely a period of change, but a true change of era.

This transformative moment calls for both thoughtful reflection and decisive action: fostering bold experimentation while strategically building on the strong foundations we have already established.

The Mila community continues to deliver world-class research with tangible, real-world impact. Over the past year, our teams have achieved remarkable breakthroughs, developing more efficient and accessible language models, exploring innovative methods for autism diagnosis, and advancing explainable generative models in medical imaging, among other achievements. While leading the launch of LawZero in Canada, Mila also remained active on the global stage, contributing to the first International AI Safety Report and supporting the UN's initiative to establish an Independent International Scientific Panel on Al. Collectively, these milestones reinforce our mission to pursue cutting-edge science with tangible economic and societal impact, while upholding Canada's leadership in AI at a time when the federal government is placing artificial intelligence at the core of its national vision.

Looking ahead, our focus is clear: turning vision into action. We will accelerate the translation of research into practical applications by expanding initiatives that empower researchers to turn their scientific findings into new Canadian ventures, bridging the gap between discovery and impact. At the same time, we will strengthen a comprehensive approach to Al literacy that combines technical expertise with critical reflection on Al's broader societal role. With 2026 as our strategic horizon, we are preparing to implement the key initiatives that will define Mila's next chapter and strengthen our global impact.

We invite you to explore this report as both a testament to our progress and a window on the transformative journey ahead.

#### Reflecting on our Collective Impact at ALL IN 2025





ALL IN 2025, Canada's largest Al event, took place in Montréal on September 24–25. Co-organized by Scale Al and Mila, the event attracted over 6,500 attendees from more than 40 countries and featured over 200 speakers, providing a unique platform to examine Al's role across society and business.

With a delegation of over 50 employees and seven participating speakers, Mila played a prominent role in this latest edition, spearheading discussions on Al's transformative potential and engaging participants on the future of responsible Al. Moreover, it provided a valuable opportunity for our leadership team to hold strategic meetings with provincial and federal government officials, including Mélanie Joly, Minister of Industry and Minister responsible for Canada Economic Development for Quebec Regions, Evan Solomon, Minister of Artificial Intelligence and Digital Innovation, and Christine Fréchette, Quebec Minister of Economy, Innovation and Energy.

The event also brought Mila's full spectrum of influence to life with an immersive installation that visually showcased its eight key areas of impact, reflecting both the Institute's world-class expertise and its broader contributions driven by cutting-edge Al research:

#### 1. Scientific breakthroughs:

unlocking the potential that will fuel the intelligent systems of tomorrow.

#### 2. Trustworthy models:

ensuring Al systems are reliable and safe in our rapidly changing world.

#### 3. Sustainable technology:

pioneering energetically sustainable models, hardware, and the compute of the future.

#### 4. Economic prosperity:

converting research into new ventures, innovation and productivity.

#### 5. Generational challenges:

tackling some of society's most pressing problems with transformative solutions.

#### 6. Citizenship and society:

empowering a future that serves human flourishing and empowerment.

#### 7. Al by and for all:

broadening research and participation to make Al accessible and culturally representative.

#### 8. Global diplomacy:

enabling international alliances and global Al governance.

Through its strong presence, Mila reaffirmed its leadership in the sector, while advocating for the development of AI technologies that are robust, responsible, and aligned with societal needs.

# A New Chapter in Mila's Scientific Leadership

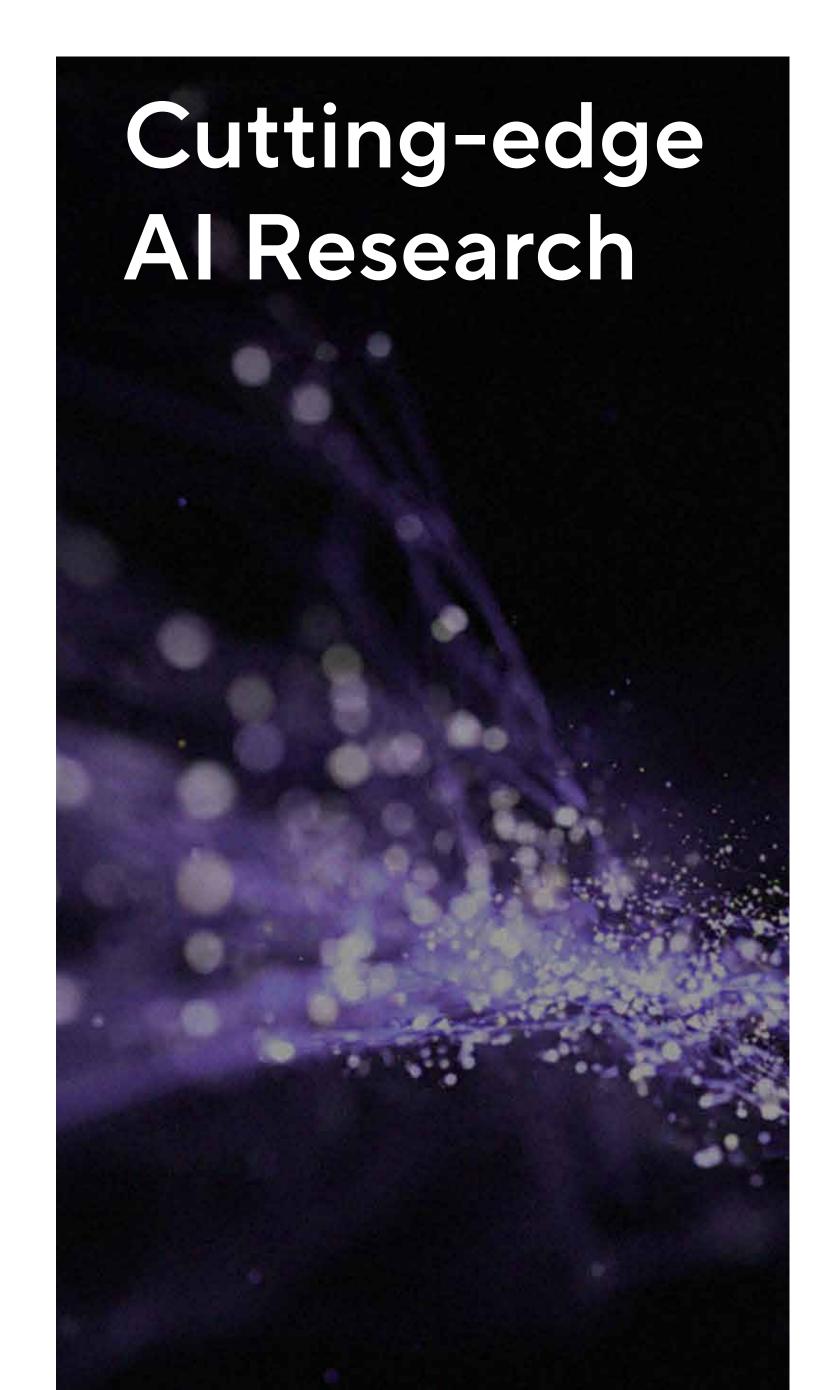
This year marked a strategic turning point in Mila's scientific leadership, bringing new perspectives to guide our next phase of research and broaden our impact.

In March 2025, our founder <u>Yoshua Bengio</u> announced his decision to step down as Mila's Scientific Director and move into the role of Scientific Advisor. This change enables him to devote greater focus to his critical research in AI safety and to high-level global policy initiatives, a commitment already demonstrated through his work with the newly launched LawZero initiative, unveiled in June. We extend our deepest thanks to Yoshua for his visionary leadership and his extraordinary contributions to Mila and the broader AI community.

To support this transition, <u>Laurent Charlin</u> stepped in as Interim Scientific Director from April to September. His steady leadership and thoughtful guidance were instrumental in ensuring continuity and momentum during this period of strategic restructuring.

In September, we were proud to welcome <u>Hugo Larochelle</u> as Mila's new Scientific Director. A trailblazer in deep learning, a longtime member of the Mila community, and a former student of Yoshua Bengio, Hugo brings both academic depth and industry experience, having most recently led Google's AI research lab in Montréal. His appointment ushers in an exciting new chapter in Mila's scientific journey.





This year, our world-renowned research community achieved fundamental breakthroughs across critical domains, from advancing AI safety, reducing hallucinations, and countering misinformation to pioneering applications in climate action, healthcare, and biodiversity. We also helped strengthen the broader AI ecosystem by developing and sharing key research infrastructure. The outstanding work of our community continues to be recognized through numerous prestigious awards and honours.

197
Faculty members

Over the past year, Mila has welcomed 42 new faculty members, a growth of 24%.

1,222 Student researchers

As of October 2025, Mila had more than 1,200 student researchers in its community.

657

#### Research projects

Mila-affiliated faculty members continue to be highly engaged in research, with over 650 projects currently underway.

725
Peer-reviewed articles

Mila researchers have published over 700 peer-reviewed articles since last October.

474 Scholarships

The number of scholarships awarded to Mila students since last year, for a total value of more than \$9 million.

14

#### **CIFAR Chair renewals**

Over the past year, 14 of our faculty members have been reappointed as Canada CIFAR AI Chairs. One faculty member was also newly appointed to the Chair program.

## Cutting-edge Al Research

Awards and Distinctions

Once again this year, our world-renowned Faculty received widespread recognition, earning numerous prestigious awards and distinctions. Explore the many ways our community members continue to excel and be celebrated for their remarkable contributions:

#### Yoshua Bengio

Receives Coronation Medal

#### Catherine Régis

Appointed CAISI Co-Chair

#### Aishwarya Agrawal and Collaborators

Win Everingham Prize

#### **David Rolnick**

Named Al2050 Early Career Fellow

#### Paul Masset and David Rolnick

Receive Sloan Fellowships

#### Prakash Panangaden

Elected Royal Society Fellow

#### Foutse Khomh

Receives Polytechnique Montréal's Excellence in Research and Innovation Prize

#### Guillaume Dumas and his team

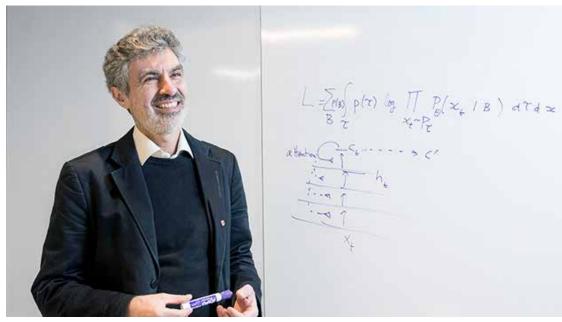
honoured at the gala du Prix Hippocrate

#### **Audrey Durand**

Wins AI In Research – Researcher of the Year Award

## Cutting-edge Al Research

Highlights →



Yoshua Bengio's Enduring Impact on Al Marked by Defining Milestones



Refgen: Discovering Next-Generation Refrigerants with AI





OpenFake: Advancing Real-World Deepfake Detection



Harnessing Large Language Models to Uncover Autism Diagnosis



PRISM: Advancing Explainable Generative AI in Medical Imaging



Unveiling and Mitigating Al Hallucinations: A New Approach



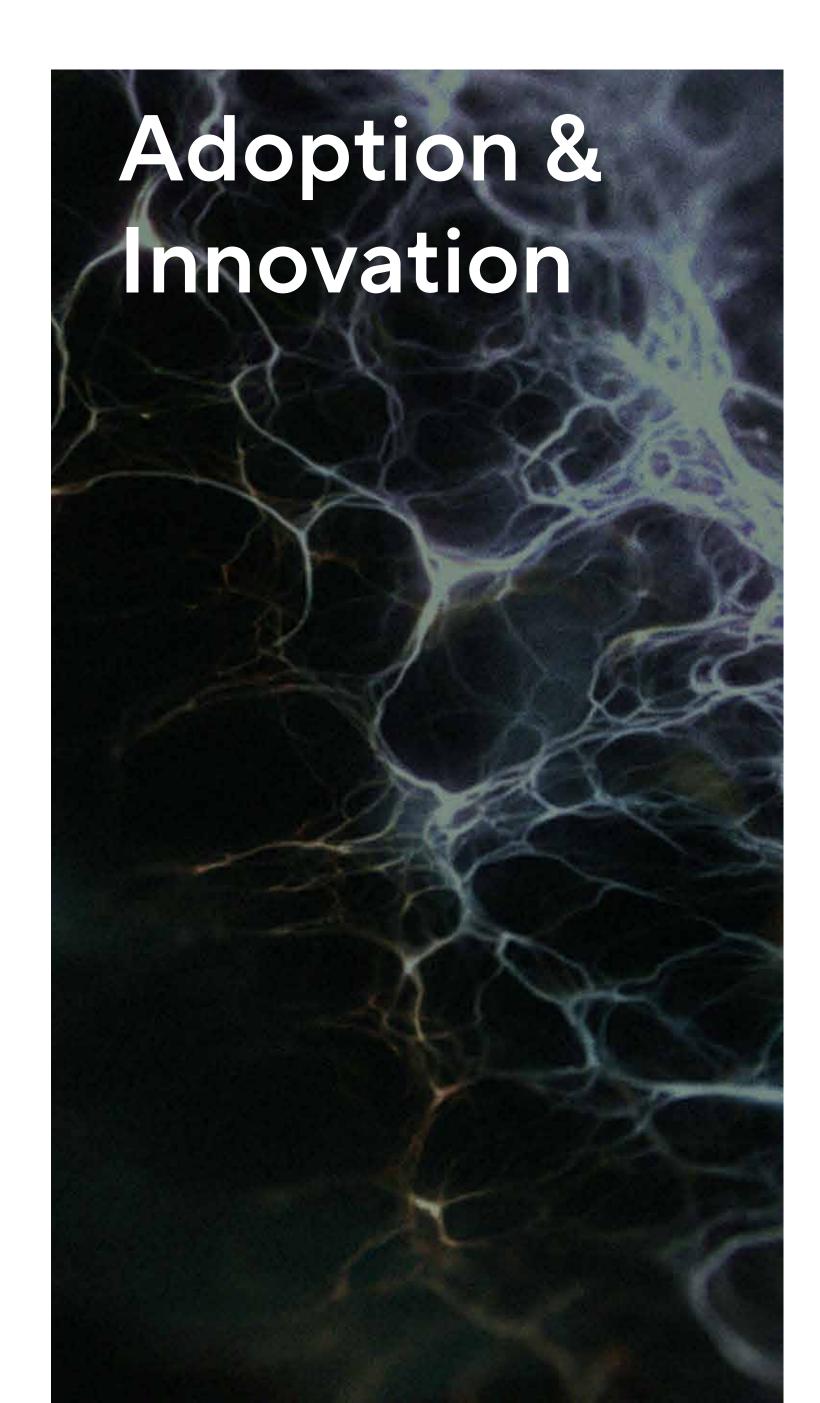
Enhancing AI Research Efficiency with Milabench



Galileo: Democratizing Access to Satellite Data



Mila Launches Canada's First Al Computing Cluster Dedicated to Academic Research



This year, Mila continued to translate cutting-edge research into meaningful economic and societal impact, reinforcing Canada's Al value chain and global competitiveness. We accelerated Al adoption through expanded industry partnerships, enhanced support for entrepreneurship with our accredited Entrepreneurship Lab (ELab), and strategic initiatives such as the \$250 million Sovereign Al Research Hub. We also launched the <a href="Impulse Program">Impulse Program</a>, providing Canadian startups with subsidized access to world-class Al expertise through focused R&D sprints, accelerating innovation and strengthening Canada's Al ecosystem.

#### 382 Projects

In the last fiscal year, Mila's AI adoption initiatives led to 382 projects and engagements, positively impacting 227 organizations across various sectors.

#### 49 New partners

Mila welcomed 49 new partner organizations to its community, bringing the total number of partners to 176.

#### 12

#### New Mila startups

Mila supported the growth of 12 new startups, expanding its network to 53 startups founded by Mila researchers.

#### 100+ Internships

More than 100 Mila students completed industry internships in the past year.

#### 40+ SMEs advised

Mila provided advisory services to more than 40 innovative Canadian SMEs, with financial support from NRC IRAP.

### Adoption & Innovation

Highlights →



Mila's ELab Broadens Its Impact

Rise of the Venture Scientist



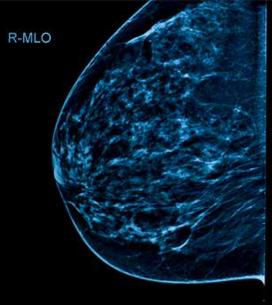
LightX Innovations: Applying AI Research to Improve Eye Disease Detection



HomePorter: Al-powered visual inspection and reporting platform



Unlocking Canada's Critical Minerals with AI



Mila Supports More Than 40 Canadian SMEs in Advancing Machine Learning



Mila Partners to Create \$250M Sovereign Al Research Hub and New LaSalle Campus



AI & Climate Talks 2025: Bridging Research and Real-World Impact



Mila Startup Rubisco Al Contributes to \$10M XPRIZE Rainforest Win



Empowering Families of Children with Autism Through Al



Driving Ethical and Secure AI with Mila's Responsible AI Advisory



Mila's Studios: From AI Research to Real-World Impact

# Governance & Global Reach

This year, Mila reaffirmed its leadership as a global force shaping the responsible evolution of artificial intelligence. We advanced the international conversation on Al governance by chairing the inaugural International Al Safety Report and launching LawZero to drive the development of inherently safer Al systems. Through bold initiatives like the Al Policy Fellowship and sustained engagement with global decision-makers, Mila continues to bridge science and policy — helping to build a shared framework for ethical, transparent, and human-centred Al worldwide.

#### \$2M Funds secured

In the past year, nearly \$2 million in donations was secured to propel Yoshua Bengio's global leadership in AI safety, public policy, and risk mitigation.

#### 13 Al Policy Fellows

Mila's inaugural AI Policy Fellowship pairs 13 experts from academia, industry, government, and civil society with Mila researchers to bridge the gap between AI research and policymaking.

#### 20+

#### Organizations supported

Since its inception in 2024, the Al Insights for Policymakers Program (a joint initiative with CIFAR) has helped over 20 public and civil society organizations navigate complex Al policy issues.

## Governance & Global Reach

<u>Highlights</u> →



Yoshua Bengio Launches LawZero to Promote Safer Al Development



Charting the Future of Safe AI: Yoshua Bengio Chairs Global Report



Al and Gender Equality: A New Policy Framework



Bridging the Gap between AI and Public Policy



Mila Shapes Global and Domestic Al Policy



A Hub for Local and Global Dialogue



Mila at the Heart of the Canadian Delegation at Vivatech



Prime Minister Mark Carney Visits Mila

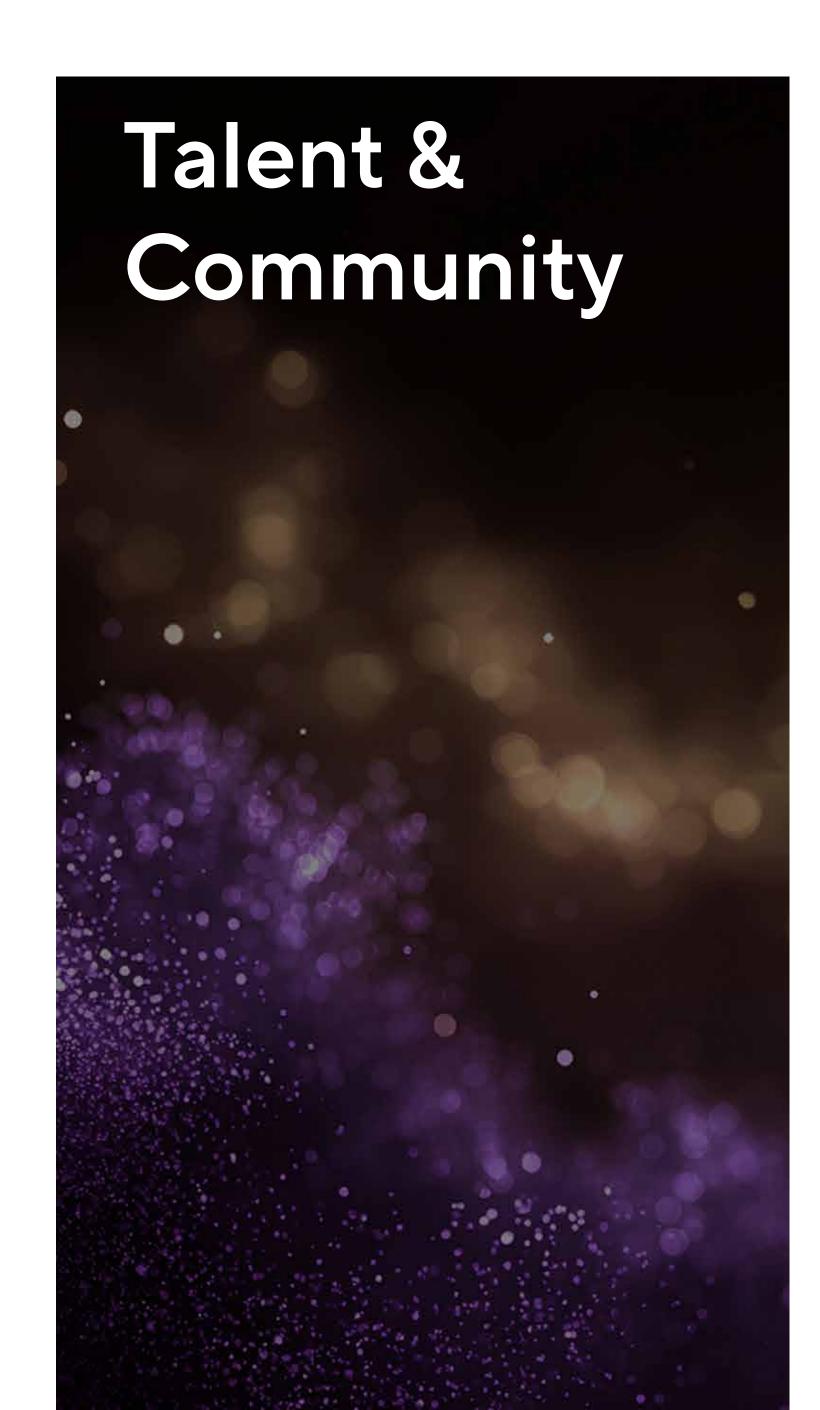




Mila Takes Center Stage at ALL IN 2025



Guiding Responsible AI in Higher Education



This year, our commitment to AI education and collaboration empowered thousands of learners to strengthen their skills across diverse fields. We continued to build a vibrant and globally connected research community, welcoming new members and expanding our reach. Our dedication to inclusive excellence drove targeted initiatives such as the AI4Good Lab and the Indigenous AI Gathering, fostering equitable participation and cultivating the next generation of talent shaping the future of responsible AI.

9677

#### Learners reached

Over the past year, 9,677 learners participated in Mila-led programs and conferences promoting responsible AI.

95
Participants in inclusion programs

Over the past year, Mila welcomed close to 100 participants to programs supporting the success of underrepresented groups in AI.

1st

#### Indigenous AI Gathering

In June, Mila hosted its first
Indigenous AI Gathering, with 170+
guests exploring AI through
Indigenous values and traditional
knowledge.

Sustainability Scholarships

Mila awarded 7 scholarships to emerging researchers in AI and climate science as part of the inaugural edition of its Sustainability Scholarship Program.

300+ New Mila members

Over the last fiscal year, more than 300 new researchers and collaborators joined the Mila community.

66%

#### **International students**

Mila's role as a global hub for AI research is reflected in the diversity of its student body, with 66% coming from outside Canada.

## Talent & Community

Highlights →



Targeted Action for Diverse Al

Learning for the Future: Advancing Responsible Al Knowledge for Canadians

Training the Next Generation of Responsible Al Leaders



Creating Career Pathways for Indigenous Talent



Al4Good Lab Approaches its 10th Anniversary with Growing Impact



A First Indigenous AI Gathering

Mila Invests in a Sustainable Future with New Scholarship Program



EDI Scholarship Programs: 19 Recipients Announced

Mila Techaide 2025 Raises over \$110,000 in Donations

#### Financial Statement

