PANORAMICS INC.
A Vision

42° TO 83° N | 53° TO 141° W

TNS2026

TRUE NORTH SPATIAL 2026

Canada's 1st Spatial & Single Cell Biology Summit

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What is True North Spatial?

True North, a symbol of a direction on a compass.

It is the unwavering point that guides us when everything around us shifts.
A symbol of safety in moments of uncertainty.
A constant in a world of changing landscapes and unpredictable terrain.

Across continents and disciplines, **True North** represents the common denominator that unites all navigators, no matter where they stand, representing a shared truth, a quiet force that unites us.

True North Spatial embodies that spirit.
A reminder to stay oriented toward what truly matters, which are

- discovery,
- collaboration, and the
- courage to move science forward.

A guide towards the **Nexus of Scientific Excellence.**

Our mission for TNS2026

Our inaugural True North Spatial 2026 is a convergence of our Panoramic Chapters, for global engagement through Canada - our True North. True North Spatial 2026 will set the stage, positioning Panoramics - A Vision Inc. as a pan-Canadian hub for spatial & single cell biology and will assume a yearly occurrence.

To elevate scientific exposition in spatial and single cell biology by creating a unique nexus, a convergence of minds right here in Canada - our True North that grounds our vision - through the mission statements of our Panoramic Chapters

The “Inspire-me” Chapter

The “Inspire-Me” Chapter is dedicated to awakening the inner creator in every scientist, where our primary aim is to uplift and motivate scientists to persevere, dream boldly, and reimagine what’s possible in science.

Day 01 - “Be inspired”

Gain insight and inspiration from a diverse line-up of distinguished speakers as we map out the single cell and spatial biology landscape in Canada. Discover the innovative ways that researchers are using single cell and spatial techniques to drive breakthroughs across basic, investigative, and translational science.

Day 02 - “Enlighten-me

The “Enlighten-Me” Chapter is our pedagogy-focused stream dedicated to education, professional development, and workforce training in spatial and single-cell biology.

Day 02 - “Be enlightened”

A day where we focus on highlighting innovations in spatial and single cell as well as dive into workshops and talks where you’ll learn from experts in spatial biology.

Day 03 - “Challenge-me”

The “Challenge-Me” Chapter empowers scientists to think beyond boundaries - to question, innovate, and imagine the future of discovery. Through this chapter, Panoramics - A Vision Inc. fosters a culture where creativity meets critical thinking - a space where challenging established norms leads to transformative innovation.

Day 03 - “Be challenged”

Engage with the critical questions and challenges shaping the landscape of spatial biology through panel discussions, fireside chats and debates. Challenge yourself with topics such as open-source data, artificial intelligence, and the evolving economics of single cell and spatial research. Join in with conversations that push the boundaries of what’s possible in the field.

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Our Speakers

Our speakers were carefully curated to embody the spirit of True North Spatial 2026

Day 01 - “inspire-me”

Where vision meets possibility. Where spatial and single-cell science reveals the beauty of diversity in discovery.

Chosen for pioneering the foundations of spatial biology and showing how cross-disciplinary thinking creates entirely new scientific landscapes.

Dr. Michael Doyle
Keynote Speaker
New Mexico Tech
NM, USA

Dr. Freda Miller
University of British Columbia
Vancouver, British Columbia
Canada

Selected for her transformative discoveries in neural and dermal stem cells, demonstrating how spatial biology reveals the body’s innate capacity to repair and regenerate.

Chosen for mapping the multicellular architecture of tissues and tumours, inspiring new directions in systems biology and precision medicine.

Dr. Hartland Jackson
Lunenfeld-Tanenbaum RI
Toronto, Ontario
Canada

Dr. Jeff Biernaskie
University of Calgary
Calgary, Alberta
Canada

Selected for uncovering why tissues heal or scar, using spatial science to bridge regeneration, fibrosis, aging, and even natural models like reindeer biology.

Chosen for illuminating how the developing brain builds itself, using powerful single-cell lineage tracing to advance our understanding of childhood and neurodevelopmental disorders.

Dr. Robert Beattie
University of Manitoba
Winnipeg, Manitoba
Canada

Dr.Shamini Ayyadhury
Panoramics - A Vision INC.
Canada

Selected as the visionary founder whose leadership unites spatial and single-cell scientists across disciplines - the compass that shaped True North Spatial.

Our Speakers

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Day 02 - “enlighten-me”
A day devoted to pedagogy, innovation, and the art of transforming ideas into impact.

Chosen for his groundbreaking contributions to scientific innovation, Prof. Nolan exemplifies how ideas become inventions and how inventions become tools that reshape entire fields.

Dr. Gary Nolan
vStanford University
California, USA

Dr. Ashleigh Willis
Panoramics - A Vision INC.
Canada

As Panoramics’ Creative Director and TNS2026 Program Director, she sets the stage for Day 02 with a talk that frames what it means to learn, teach, and think spatially - the heart of our Enlighten-Me Chapter.

Innovation Session – Spatial & Single-Cell Frontiers (Later morning)

Following Prof. Nolan, we present two invited innovators showcasing cutting-edge tools in spatial and single-cell biology, each demonstrating how imaginative thinking becomes real-world technology.

This is followed by three selected spotlight talks from exceptional early-career scientists and postdocs — highlighting the next generation of ideas that will shape the future.

Our Speakers

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Day 03 - “challenge-me”

A day of bold ideas, critical reflection, and cross-disciplinary dialogue.

We highlight Dr. Morag Park, a national leader whose work in cancer biology and interdisciplinary science makes her the ideal voice to challenge our collective thinking.

She will deliver a focused opinion piece on what the next chapter of spatial and single-cell biology requires - the overlooked research areas, the essential cross-disciplinary partnerships, and the vision needed to move the field forward.

Dr. Morag Park
McGill University
Montreal, QC
Canada

Day 03 Challenge-me Discussions

Crossing Boundaries

Dr. Park will then lead our Crossing Boundaries panel, guiding a candid conversation on Canada’s scientific disparities, the social dimensions that shape research, and the urgent need to bring spatial technologies into communities and diseases that have been historically underserved. She will help us examine how Canada can bridge these gaps and contribute meaningfully to global innovation.

Panelists : TBC

—-

AI in Spatial & Single Cell Biology

Confirmed Panelists : Dr. Xin Tang (University of British Columbia) + others (TBC)

—-

"Spatial Frontiers: The Road Ahead for Spatial Biology" - Thinking Beyond

Confirmed Panelists : Dr. Gary Bader (University of Toronto, CIFAR), Dr. Michael Doyle (New Mexico Tech)

—-

The Economics of Spatial and Single Cell Experiments

Panelists : TBC

We expect over 400 attendees

Academic and Industry scientists, clinicians, Postdocs, Staff Scientists, Students, Innovators, C-Suite leaders, Technology experts, start-ups and more...

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Sponsor & Exhibitor Speaking Opportunities

Tech partners receive dedicated exhibit space at MaRS and the opportunity to submit abstracts for scientific talks in the Jewel Box or MaRS Auditorium. The MaRS Atrium provides continuous, high-value networking throughout the day.

Lunch with future leaders

Day 02's student lunch connects today's innovators with tomorrow's leaders — a powerful bridge between industry, academia, and emerging talent.

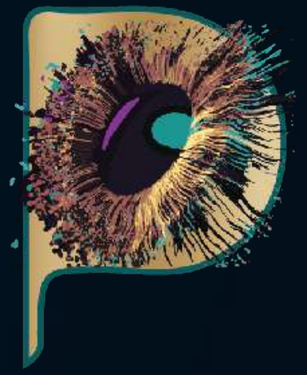
Professional development

We are also planning two professional development workshops, designed to support career growth and broaden the skillsets of our scientific community.

Networking Events

With breakfast provided across all three days, open-flow breaks throughout the summit, and catered lunches on Days 1 and 2, True North Spatial creates continuous, effortless networking for industry, academia, students, and visionaries alike.

About the Organizers



PANORAMICS A Vision INC.

Panorama of
OMICS technologies,
A Vision in Space

We are a research & development corporation harnessing AI, computer vision, virtual models and algorithms to study biological topography to solve problems pertaining to human health

The Panoramic Chapters (Client base, community outreach and fundraising)

Panoramic Innovations (Research & Development)

The Panoramics Team

Our Innovation Orchestra

Shamini Ayyadhury, PhD
Founder, CEO

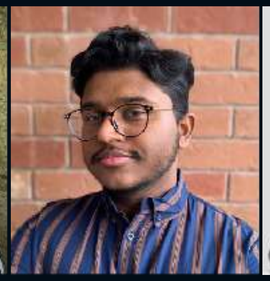
Ashleigh Willis, PhD
Creative Director

Alyona Ivanova
Creative Director

Smrithi Dhanasekar
Content Creator

Nikol Leshchyshyn
Scientific Communicator

Arzu Kirici
Data Analyst
&
Marketing



Suluxan Mohanraj
Developer

Kasra Rahimian
Web Developer
&
IT Manager

Office

PANORAMICS - A VISION INC.
Schwartz Reismann Innovation Center (SRIC)
ONRamp @ U of T Entrepreneurship,
Schwartz Reisman Innovation Campus
108 College Street, Suite W754
Toronto, ON, M5G 0C6

Partners

Canadian Bioinformatics Hub

The Canadian Bioinformatics Hub is Canada's platform for Bioinformatics, Computational Biology, and Data Science skills and community development.
https://bioinformatics.ca/resources/current-partners/

Members

Toronto Region Board of Trade

Panoramics - A Vision Structure

We run under our two arms, The Panoramic Chapters and the Panoramic Innovations

Panoramic Innovations

“Research & Development”

Using machine intelligence to support, facilitate & empower human intelligence to aid in discovery & translational evolution thus allowing problems in biological topography to be solved

More coming soon in Q1 2026

The Panoramic Chapters

“A community outreach and pedagogy arm.”

Panoramics - A Vision Inc. is positioning itself to become the national hub to establish Canada has the North American hub for spatial and single cell biology through its Panoramic Chapters arm

Vision

By re-imagining the space stakeholders work & learn in

From biomolecules to cells, to the organs that make our bodies, and to societies made up of human populations - we are all part of this beautiful tapestry of hierarchical collective organizations.

We function and live in 3-dimensions and topography defines not just our architecture but our very essence.

Our vision was born out of this appreciation of our connectedness from the smallest to the vast.

That through working together collectively, through our differences, combining our creativity & experiences,

that we not only treat the disease but improve quality of life itself.

And with your support, We are convinced that

Together, we can re-imagine conversations in science and build a panorama that goes beyond our collective imaginations.

sponsorship@panoramics-a-vision.com

Panorama of OMICS technologies, A Vision in Space

PANORAMICS A Vision

Re-imagining conversations in science

www.panoramics-a-vision.com