

May 2023

Prairie Bioeconomy Guild

BIO International Convention 2023

Health and Life Sciences Showcase & Awards Dinner

Health Cities Breakfast

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Member Focal Point: PanTHERA CryoSolutions

In the news...

BioAlberta Upcoming Events

The poster features a background of golden wheat stalks against a dark blue sky. At the top, there are logos for the Prairie Bioeconomy Guild, bio25 alberta (Association of Life Sciences Industry), and ERIN. The main title is 'PRAIRIE BIOECONOMY GUILD' in large white letters. Below it, the event theme is 'DYNAMIC AUTOMATION – BRINGING TO MARKET A UNIVERSAL GRIPPER FOR ADAPTABLE AUTOMATION BEYOND THE FACTORY WALLS.' The speaker is 'WITH HARPAL J.S. MANDAHAR, CEO' of Sarcomere Dynamics, whose logo is shown in a white circle on the right. A calendar icon indicates the date and time: 'From 5 PM to 7 PM Wednesday, 10th May 2023' at 'Brewsters (Mezz room) 11620 104 Ave'.

April 12, 2023

Prairie Bioeconomy Guild

Join us on May 10th for our next Prairie Bioeconomy GUILD event. We'll hear from Harpal J.S. Mandaher CEO of Sarcomere Dynamics on "Dynamic Automation." He will speak on bringing to market a universal gripper for adaptable automation beyond the factory walls

Register [here](#) now.



June 5-8, 2023

BIO International Convention 2023

BIO is the world's largest trade association representing biotechnology companies, academic institutions, state biotechnology centers and related organizations across the United States and in more than 30 other nations.

BioAlberta is coordinating the Alberta delegation. If your company is interested in attending the convention in Boston or for more information, please get in touch with Robb Stoddard at robb@bioalberta.com.



September 28, 2023

Health and Life Sciences Showcase & Awards Dinner

BioAlberta is thrilled to be celebrating our 25th anniversary this year! To celebrate 25 years of success, we will be having a grand celebration at our annual Health and Life Sciences Showcase & Awards Dinner.

Join us on September 28th at the Fairmont Hotel McDonald in Edmonton.

More details are coming in a few weeks!

Upcoming Life Sciences Events



May 4, 2023

Health Cities Breakfast: Unlocking the Power of Personal Data

With the increasing popularity of digital health apps and wearable technology, individuals can now easily collect and track their health data, from exercise and sleep patterns to heart rate and blood pressure.

The panel will explore the impact of personal health data on healthcare, highlighting its potential to empower individuals to take a more proactive role in their health while enabling

healthcare providers to deliver more personalized and effective care.

Register [here](#) now.



May 18 - 20, 2023

BioTechGate Digital Partnering

Biotechgate Digital Partnering is designed to support the business development & licensing of Pharma, Biotech, Medtech and Digital Health companies. Join five days of virtual partnering and establish new global connections thanks to pre-arranged one-on-one Zoom meetings in our business forum.

BioAlberta members get complimentary Premium Access, including the Marketing Package worth (\$498 USD). To get the promo code, please get in touch with Nisarg Patel at nisarg@bioalberta.com.

See details [here](#).



May 26, 2023

Tell Your Story

DiscoveryLab offers events where 10-30 teams pitch plans to a panel of investors and advisors. Scalable innovations in any sector, location or stage of development are presented as are transformative technologies for diagnostics, medical devices, therapeutics, biotech, agtech, AI, cleantech, edtech, fintech, food/drinks, materials, energy, environment and resources.

See details [here](#).

DIGITAL HEALTH INNOVATION DEVELOPMENT PROGRAM

ST Innovations and Alberta Innovates, is pleased to announce an exciting opportunity for Alberta companies to collaborate with ST Innovations to utilize our services at a subsidized rate to accelerate their health innovation product.

LEARN MORE AT [STINNOVATIONS.CA](https://stinnovations.ca)



June 5, 2023

Digital Health Innovation Development Program

ST Innovations and Alberta Innovates launched their Digital Health Innovation Development Program last week. This program aims to help you accelerate your health technology.

The application deadline is June 5, 2023.

See details [here](#).



Business Benefits Finder

Find the right programs and services using the Business Benefits Finder

In two minutes, get a tailored list of government programs and services for your business. From funding to advice, everything you need. All in one place.

See details [here](#).

Talent Hub

Funding Opportunity: Apply NOW for Summer 2023!

Receive \$5000 in wage support to hire an Alberta student to help your business move



forward.

Contact jamie@bioalberta.com or visit **WIL** for more information.



BioAlberta members have access to BioTalent Canada's job board, The PetriDish. Members can post five FREE jobs annually.

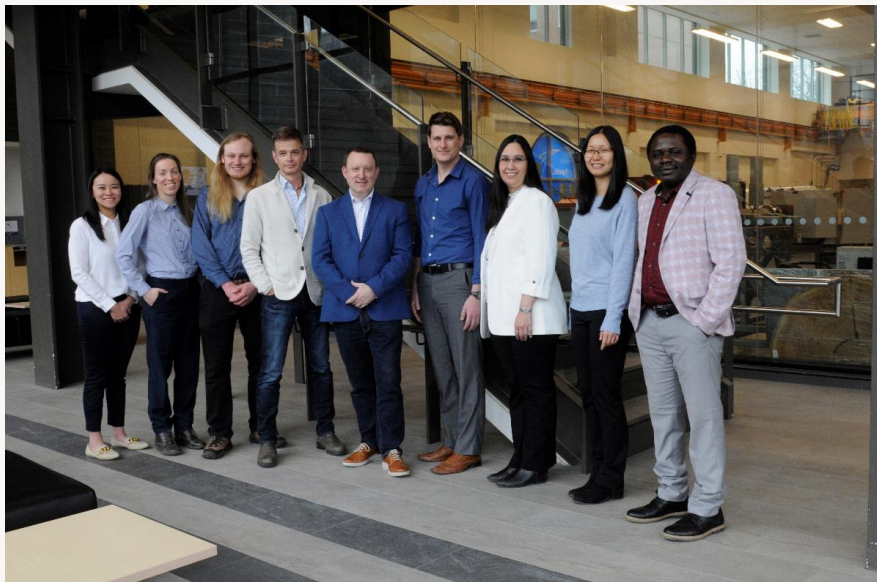


BioTalent Canada has funding opportunities open, which include:

- Student Work Placement Program with up to \$7000 wage subsidy.
- Skilled Newcomer Internships Program with up to \$20,000 wage subsidy.

View all Wage Subsidy programs [here](#).

Member Focal Point: PanTHERA CryoSolutions



Company Overview

PanTHERA CryoSolutions is a Canadian corporation that designs and manufactures cryopreservation solutions for cells, tissues and organs for research and clinical markets.

PanTHERA has developed a first-of-its-kind technology that improves the cryopreservation of biological material by inhibiting ice recrystallization. PanTHERA's ice recrystallization inhibitors (IRI) are novel small carbohydrate-based compounds that can control ice crystal size and growth during the cryopreservation processing of biological samples.

IRI compounds provide several critical advantages for the protection of cell and tissue products. By reducing ice recrystallization inside and outside of the cells, they increase post thaw cell recovery and quality. The IRIs also decrease the required concentrations of conventional cryoprotective agents (CPAs) needed to achieve stable storage, reducing toxicity associated damage caused by the CPAs.

Since ice recrystallization exerts most damage during freezing and thawing (as opposed to during storage), IRIs have a significant impact on the protection of cells and tissues against the damage associated with the transient warming and thawing that can occur during normal transport and storage. Moreover, IRIs allow for higher sub-zero temperature storage conditions and reduces the need for liquid nitrogen shipping and storage containers.

As a forward-looking organization PanTHERA is constantly expanding our technology to contribute to improving cell-based research, agriculture, biodiversity conservation, aquaculture, and human medicine.

Major Developments

PanTHERA CryoSolutions is presently working with third-party companies to obtain unbiased evaluations of our product on multiple commercial-grade cell therapy applications. Preliminary results are very exciting as they clearly support the value of our technology in their cryopreservation processes. PanTHERA CryoSolutions has also recently received funding from various sources, which is a testament to the potential of the product. At present, PanTHERA is focused on expanding the scale of the manufacturing of the IRI product in a tightly controlled environment that assures us that the quality is high and consistent.

Upcoming Events

PanTHERA's CEO and Co-Founder Dr. Jason Acker will be speaking at the ISBER annual meeting in Seattle on the advances in the low temperature stabilization of cells and tissues from May 3rd to May 5th. The ISBER annual meeting has been the premier event in biobanking education for over 20 years and is the only global event in biobanking. Year after year, ISBER brings together new and returning biobankers from 6 continents, providing opportunities for academia, industry, and pharma to learn, connect, discuss, and collaborate.

Dr. Jason Acker will also be speaking at the 5th Allogenic Cell Summit held in Boston, MA from May 22-25, 2023. This event will see the gathering of brilliant minds from all over the globe and Dr. Acker will be speaking on enhancing the cryopreservation of NK cells to drive the development of next generation products. He will also participate in a panel discussion. This summit is the leading industry focused meeting dedicated to accelerating the safety, durability, and clinical translation of off-the-shelf therapies to deliver affordable and accessible treatments for patients in critical need.

Overcoming Challenges

Despite the challenges posed by the pandemic, PanTHERA CryoSolutions grew its team and delivered on an ambitious produce development program despite its offices being in two different provinces (Ontario and Alberta).

One of the major milestones that the company has achieved, is to have put together a pool of talented individuals poised to bring the company to greater heights. The success of the IRIs is attributed to the diverse team that PanTHERA CryoSolutions has assembled. Research has shown that diverse teams are known to process facts more carefully, improving decision-making processes and increasing employee engagement. Headed by renowned cryobiologist Dr. Jason Acker and medicinal chemist Dr. Robert Ben, PanTHERA CryoSolutions boasts

diverse talent, from chemists working with biologists and immunologists to analytical chemistry and quality control experts. The diverse team has a unique mix of various nationalities, ample gender representation and multiple disciplines. Enriching the employee pool with adequate representation is the key to boosting joint intellectual potential.

To learn more about PanTHERA CryoSolutions, check out their website at pantheracryo.com.



In the news...

Syantra receives CE MARK approval for their Breast Cancer test built on the SYANTRA DX™ LIQUID BIOPSY PLATFORM



On April 18, Syantra announced that it has obtained CE marking for the Syantra DX™ Breast Cancer test. Syantra DX™ Breast Cancer is a minimally invasive blood test for the detection of an active breast cancer signature - in the earliest stages when it is easier to treat.

Read their complete press release [here](#).

Is Canada ready? Routine use of genome based testing in Canada's Major Regions. A State of Readiness Progress Report

This Progress Report describes what conditions are necessary for readiness, how major Canadian provinces are meeting these conditions, and what more needs to be done in coming years to ensure system readiness, sustainability and resiliency that ultimately benefits patients. The impact of readiness as well as a business case for change is also described.

Read the report [here](#).



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