

## DISCOVERY ZONE

- 1 **INSTITUT QUANTIQUE DE L'UNIVERSITÉ DE SHERBROOKE**  
Light in a New Light
- 2 **OPTICA-SPIE STUDENT CHAPTER**  
When Light Provides Energy
- 3 **MDA SPACE**  
It's Moving in Orbit!
- 4 **CANADIAN SPACE AGENCY**  
Spacewalkers: A Virtual Reality Experience
- 5 **ACCESCENCES, UNE INITIATIVE DU REGROUPEMENT DES CÉGEPS DE MONTRÉAL**  
College Kids Do Science
- 6 **ÉQUITERRE**  
Planet-Friendly Food
- 7 **CENTRE FOR RESEARCH IN ASTROPHYSICS OF QUEBEC**  
Extraterrestrial Life: Fact or Fiction?
- 8 **MUSÉE D'ARCHÉOLOGIE DE ROUSSILLON**  
Frozen Mystery
- 9 **PARC SAFARI**  
Our Mineral Ancestors
- 10 **SERVICE DE SÉCURITÉ INCENDIE DE MONTRÉAL**  
Driving Green and Safe

## HUMAN ZONE

- 11 **MONTRÉAL SCIENCE CENTRE**  
Mission BLOB
- 12 **THE NEURO (MONTREAL NEUROLOGICAL INSTITUTE-HOSPITAL)**  
The Amazing Brain
- 13 **PHARMABIO DÉVELOPPEMENT**  
CreaGel: Make Your Own Hydroalcoholic Gel
- 14 **INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE INRS**  
The Immune System Under a Microscope
- 15 **INSTITUT DE RECHERCHE ROBERT-SAUVÉ EN SANTÉ ET EN SÉCURITÉ DU TRAVAIL**  
Invisible Cuisine and Magical Armor
- 16 **VITAM - RESEARCH CENTRE ON SUSTAINABLE HEALTH**  
Sustainable Health Superheroes
- 17 **INITIATIVE UNE SEULE SANTÉ UNIVERSITÉ DE MONTRÉAL**  
Tick-tack Adventure
- 18 **FACULTÉ DES SCIENCES DE L'UQAM**  
Moving into Health
- 19 **CARDIOMETABOLIC HEALTH, DIABETES AND OBESITY (CMDO) RESEARCH NETWORK**  
A High-Protein Exploration

- 20 **MUSÉE DE LA SANTÉ ARMAND-FRAPPIER**  
These Plants Will Surprise You
- 21 **FACULTY OF ARTS AND SCIENCE UNIVERSITÉ DE MONTRÉAL**  
Scientists of Tomorrow

## WATER ZONE

- 29 **PORT OF MONTREAL**  
Port in the City!
- 30 **HYDRO-QUÉBEC**  
Apply Your Energy!
- 31 **CANADIAN COAST GUARD**  
Nautical Knots
- 32 **CENTRE ÉCOLOGIQUE DE PORT-AU-SAUMON**  
Stars in Distress: Light Pollution
- 33 **WATER RANGERS**  
Water Protectors
- 34 **LE CENTRE D'INTERPRÉTATION DE L'EAU**  
Watershed in Crisis
- 35 **GÉNOME QUÉBEC**  
ITrackDNA
- 36 **HUMAN RESOURCES SECTORIAL COMMITTEE OF THE MARITIME INDUSTRY**  
Work for the Merchant Marine

## TECHNO ZONE

- 23 **INO**  
Unseen Mysteries
- 24 **INO**  
Unseen Mysteries
- 25 **GROWING WITHOUT BORDERS**  
Surfing Through AI Landscapes
- 26 **CYBERCAP**  
Invisible Pollution
- 27 **TECHNOVATION MONTRÉAL**  
Coding for Earth
- 28 **MONTRÉAL DIGITAL SPRING**  
Soar into an Ecological Future

## SCIENCE FROM EVERY ANGLE

- A **A Nature Bath — BIOSPHERE**  
Stopover for rejuvenation at the heart of the festivities  
FRI: 9 am to 6 pm / SAT: 9 am to 7 pm / SUN: 9 am to 6 pm
- B **From Field to Closet — GROWING A.R.C.**  
The surprising journey of a textile fibre  
Everyday, continuously
- C **Tiny House**  
MINID - MAISONS SUR MESURE INC.  
Visit a tiny Earth-friendly, functional house  
Everyday, continuously
- D **Luka & Massi — TÉLÉ-QUÉBEC**  
Test your knowledge with Luka and Massi  
SAT: 1 pm, 1:50 pm and 3 pm / IN FRENCH
- E **Follow The Beat — CHARLES OSTIGUY**  
Collective musical improvisation  
FRI: 11 am to 2 pm
- E **Let's Imagine the Earth Together!**  
MARC WALTER, LANDART ARTIST  
Collective, natural and immersive land art creation  
SAT: 10:30 am to 4 pm
- E **The Oldest Tree on St. Helen's Island**  
CONTEURS À GAGES  
View the tree and hear its story  
SUN: 12:15 pm and 3:15 pm / IN FRENCH
- F **Spinning Wheels — ELODIE SANNA**  
An amazing acrobatic cycling display  
FRI: 10:30 am and 1 pm / SAT: 11:30 am and 2:30 pm  
SUN: 11:30 am and 2:30 pm
- G **Robotics in Action — 3550 - ROBOTRONIX**  
Learn about robots and pilot them yourself  
SAT: 10:30 am to 4 pm / SUN: 10:30 am to 3 pm
- 38 **Tardibabe's Microscopic Art**  
@TARDIBABE - CHLOÉ SAVARD  
Explore the infinitely small with a microbiologist/artist  
SAT: 10:30 am to 4:30 pm

## NATURE ZONE

- 37 **ASSOCIATION DES SCOUTS DU CANADA**  
Scouts Dedicated to a Healthy Planet
- 38 **FRI: ÉCOLE-O-CHAMP**  
Cultivating Sustainability  
**SAT: @TARDIBABE - CHLOÉ SAVARD**  
Tardibabe's Microscopic Art  
**SUN: ÉCO-MOTION**  
Escape from Eco-anxiety
- 39 **UPA**  
Discover Quebec Agriculture
- 40 **FACULTÉ DES SCIENCES ET DE GÉNIE UNIVERSITÉ LAVAL**  
Healthy Bees, Healthy Planet!
- 41 **REGROUPEMENT DES ÉCO-QUARTIERS**  
The Environment Wheel
- 42 **MINISTÈRE DES RESSOURCES NATURELLES ET DES FORÊTS**  
Uncover the Secrets of Quebec's Minerals
- 43 **ENVIRONMENT AND CLIMATE CHANGE CANADA**  
EcoExplorer Challenge - Working for Nature
- 44 **LES SCIENTIFINES**  
Go with the Flow
- 45 **ESPACE POUR LA VIE**  
Find The Right Balance
- 4+ **TECHNOSCIENCE RÉGION MÉTROPOLITAINE**  
Recycling Rescue

## INGENUITY ZONE ing.

- 48 **UNIVERSITÉ DU QUÉBEC À TROIS-RIVIÈRES**  
Take Control of a Robot
- 49 **COSMODÔME**  
Health in Space
- 50 **FACULTÉ DE GÉNIE DE L'UNIVERSITÉ DE SHERBROOKE**  
Genius in Action
- 51 **ORDRE DES INGÉNIEURS DU QUÉBEC**  
Wildlife Crossing Challenge
- 52 **MUSÉE DE L'INGÉNOSITÉ J. ARMAND BOMBARDIER**  
Tinkering Challenge: High Resistance
- 53 **TRANSPORT CANADA**  
Transportation 360
- 58 **LES INDUSTRIELLES**  
The Industrielles' Minibus Has Arrived at Euréka!
- 61 **EXOCET - POLYTECHNIQUE MONTRÉAL**  
Eco-powered Boats  
**FORMULE POLYTECHNIQUE MONTRÉAL**  
Electrifying Electric Cars
- 62 **POLYORBITE - POLYTECHNIQUE MONTRÉAL**  
Mission CubeSat: Earth's Tiny Sentinels  
**ORONOS - POLYTECHNIQUE MONTRÉAL**  
Cosmic Construction
- 63 **FOLIE TECHNIQUE**  
Ignite Your Scientific Mind
- 64 **LET'S TALK SCIENCE AT MCGILL UNIVERSITY**  
Space for a Healthy Planet
- 65 **WOMEN IN ENGINEERING (FRI)**  
**UNIVERSITÉ CONCORDIA**  
Let's explore Wind Energy  
**SPACE CONCORDIA (SAT & SUN)**  
**UNIVERSITÉ CONCORDIA**  
Build a CubeSat



Presented by **Hydro Québec**

AT PARC JEAN-DRAPEAU at the foot of the Biosphère

# EURÉKA!

IT'S FREE!

MAY 24, 25, 26 2024

PLANETARY HEALTH CELEBRATION

17th EDITION

THE BIG SCIENCE CELEBRATION

Life Savoir

## EVENING SHOW

Science Under the Stars

# SCIENCE PACKS A PUNCH!

ROUND 2

**MAY 25 7:30 PM**

**TWO SCIENCE CHAMPIONS. ONE EPIC BATTLE. THE PUBLIC WILL SEE STARS!**

Duration: 75 minutes

Tickets in limited quantities, available free of charge at the Festival information booth, Friday, May 24 and Saturday, May 25.

Limit of four (4) tickets per person. 7 years old and up.

AT PARC JEAN-DRAPEAU

# SCIENCE TAKES THE STAGE / Interactive Shows and Lectures

## 22 Fonds de recherche du Québec CENTRAL STAGE

### INNOVATIONS FOR THE ENVIRONMENT

Réseau Technoscience  
Projects designed by ingenious young scientists  
FRI: 10:45 am | SAT: 1:10 pm | Duration: 40 minutes | IN FRENCH

### SPICE UP YOUR LIFE

Faculty of Science and Engineering  
Université Laval  
The spicy odyssey of hot peppers and their fascinating chemistry  
FRI: 11:45 am | Duration: 30 minutes | BILINGUAL

### LET'S TALK ABOUT BIODIVERSITY

Workshops for Biodiversity  
Biodiversity: 1001 questions and answers  
FRI: 12:40 pm | Duration: 30 minutes | IN FRENCH

### ELECTRIC FISH

Erik Harvey-Girard, PhD in Neuroscience  
The electrifying world of electric fish  
FRI: 1:30 pm | Duration: 30 minutes | IN FRENCH

### FOOD CHEMISTRY

Yannick Bergeron, chemist  
Tasty anecdotes and chemical reactions  
SAT: 11 am | Duration: 30 minutes | IN FRENCH

### WHAT IS SUSTAINABLE HEALTH?

Jean-Pierre Després,  
VITAM - Research Centre on Sustainable Health  
A different way to think about health  
SAT: 2:30 pm | Duration: 30 minutes | BILINGUAL

### BIOMIMICRY: NATURE'S GENIUS

Moana Label, Institut de Biomimétisme  
When nature inspires human creativity  
SAT: 3:30 pm | SUN: 3:10 pm | Duration: 30 minutes | IN FRENCH

### LET'S GET ECO-FRIENDLY!

Earth Day Canada  
Take charge of your ecological footprint  
SAT: 4:30 pm | Duration: 30 minutes | IN FRENCH

### COOKING UNDER THE SUN

Solar Brother  
Solar cooking: economical, delicious and ecological  
SUN: 11 am | Duration: 30 minutes | IN FRENCH

### IN TROUBLED WATERS

Le centre d'interprétation de l'eau  
Interactive show and quiz on water  
SUN: 12 pm | Duration: 40 minutes | IN FRENCH

### MASS EXTINCTIONS THEN AND NOW

Charlotte Spruzen, McGill University  
Will we share the fate of the dinosaurs?  
SUN: 1:10 pm | Duration: 30 minutes | IN ENGLISH

### LESS LAWN, MORE DIVERSITY!

Alexandre Huet, David Suzuki Foundation  
Do our gardens really need grass?  
SUN: 2:10 pm | Duration: 30 minutes | IN FRENCH

## 47 Hydro Québec MAIN STAGE

### CREATURES FROM THE JURASSIC

Bumble Bill - Prestigo Productions Inc.  
Time-travel to meet Jurassic giants  
FRI: 9:45 am | Duration: 45 minutes | IN FRENCH

### A LITTLE TOUR OF GREAT SCIENCE

Les Neurones Atomiques  
Explore inventions and discoveries  
FRI: 11 am | SAT: 12:40 pm | Duration: 30 minutes | IN FRENCH

### RAPTORS: MASTERS OF THE SKY

Falcon-Ed  
Birds of prey in action  
FRI: 12 pm | SUN: 11:20 am | Duration: 45 minutes | BILINGUAL

### THE MAGIC OF CHEMISTRY

Yannick Bergeron, chemist  
Chemical demonstrations that will wow you  
FRI: 1:15 pm | SUN: 12:45 pm | Duration: 45 minutes | IN FRENCH

### #MATH

Marc Trudel - Prestigo Productions  
The magic of math  
SAT: 11:15 am | Duration: 45 minutes | IN FRENCH

### ROWING ACROSS THE SEA

Mylène Paquette  
Mylène Paquette's thrilling adventure rowing across the Atlantic  
SAT: 1:45 pm | Duration: 40 minutes | IN FRENCH

### PROFESSOR DING'S LAB

Animations Clin d'œil Inc.  
Magic tricks and amazing experiments  
SAT: 3:20 pm | SUN: 3:30 pm | Duration: 45 minutes | IN FRENCH

### FIRE AND ICE

Mad Science  
Chemical potions and dry ice  
SAT: 4:40 pm | Duration: 45 minutes | BILINGUAL

### ATLAS GEOCIRCUS IN SPACE

Atlas Géocircus - Prestigo Productions Inc.  
An intergalactic circus performance  
SUN: 2:15 pm | Duration: 45 minutes | IN FRENCH

## WORKSHOPS / Concocting Science

**54 MOLECULAR DETECTIVES: THE DNA QUEST**  
Institute for Research in Immunology and Cancer of the Université de Montréal  
FRI: 9:30 am to 3:30 pm | Duration: 15 minutes

**54 CASCADES FLUFF & TUFF® OBSTACLE COURSE**  
Cascades  
SAT: 10:30 am to 7 pm | SUN: 10:30 am to 5 pm  
Duration: 10 minutes

**55 PONTPOP CHALLENGE**  
École de technologie supérieure  
Build a resistant popsicle-stick bridge  
Every day, continuously | Duration: 20 minutes

**56 MATERIALS THAT ARE PART OF THE SOLUTION**  
BAnQ - Le Square - PARTNER OF MMFC  
The revolutionary world of bioplastics  
FRI: 9:30 am to 3:30 pm | Duration: 15 minutes

**56 ENERGY BLOWING IN THE WIND**  
Women in Engineering - PARTNER OF MMFC  
Shedding light on wind turbines  
SAT: 10:30 am to 7 pm | Duration: 15 minutes

**56 TAKING TECH TO HEART**  
Morgan Stanley - PARTNER OF MMFC  
Cardiology, programming and digital art  
SUN: 10:30 am to 5 pm | Duration: 15 minutes

**57 INGENIOUS SLIME**  
Polytechnique Montréal - Chemical Engineering  
Slime, liquid beads and secrets of chemistry  
Every day, continuously | Duration: 15 minutes

**59 PREHISTORIC TECH**  
Abotec  
Make your own prehistoric stone projectile point  
FRI: 9:30 am and 10:45 am | Duration: 60 minutes

**59 INNOVATION MEETS TRADITION**  
First Peoples Innovation Centre  
Innovative tech: 3d printing and vinyl cutting  
FRI: 12:30 pm to 3:30 pm | Duration: 20 minutes

**59 GREEN CHEMISTRY UNLEASHED**  
Green Chemistry McGill  
Chemistry moving towards a more sustainable future  
SAT: 10:30 am to 12:30 pm | Duration: 30 minutes

**59 DANCE OF THE FOUR ELEMENTS**  
Les Scientifines and Ample Man Danse  
Four elements inspiring experiments and dance  
SAT: 1:30 pm to 3:30 pm | Duration: 30 minutes

**59 MAKING RECYCLED PAPER**  
Technoscience Région métropolitaine  
Zero waste presentation and recycled paper workshop  
SAT: 4 pm to 6 pm | Duration: 30 minutes

**59 ENERGY AT THE HEART OF LIFE**  
Les Shifters Montréal  
Entertaining workshops on the role of energy  
SUN: 10:30 am to 12:30 pm | Duration: 15 minutes

**59 AN END TO ECO-ANXIETY**  
Éco-Motion  
Supportive workshop on managing eco-anxiety  
SUN: 1 pm and 2 pm | Duration: 60 minutes

**59 BIODIVERSITY QUIZ**  
Workshops for Biodiversity  
A short workshop on the importance of biodiversity  
SUN: 3:20 pm and 4:15 pm | Duration: 60 minutes

**60 BOTANICAL PRINTS**  
The Little Art Trailer  
Creative botanical printmaking workshop  
FRI: 9:30 am to 12:30 pm | Duration: 30 minutes

**60 JUBILANT JUGGLING**  
Caravane Philanthrope  
A playful intro to the circus world  
FRI: 1 pm to 3 pm | Duration: 15 minutes

**60 ARTISTIC TRANSFORMATIONS**  
Les fées d'artifices  
Colourful makeup to celebrate life  
SAT: 10:30 am to 1:30 pm | Duration: 10 minutes

**60 INSECTS AND OTHER ARTHROPODS**  
Les Neurones Atomiques  
Six legs, antennae, and more  
SAT: 2 pm to 4 pm | Duration: 40 minutes

**60 EARTH ART**  
Emily Rose Michaud  
Art's relation to the Earth  
SAT: 4:30 pm to 7 pm | Duration: 50 minutes

**60 MODELING CLAY AND PAINT...NATURALLY**  
MOTIO  
Making art materials from natural ingredients  
SUN: 10:45 am to 12:45 pm | Duration: 30 minutes

**60 PAINTING WITH SCENTS**  
Jarome  
Explore the science and art of scents  
SUN: 1 pm to 3 pm | Duration: 20 minutes

**60 AIR PERFORMING UNDER PRESSURE**  
Mad Science  
The movement of air, according to Bernoulli  
SUN: 3:30 pm and 4:15 pm | Duration: 45 minutes

# THE FESTIVAL AT A GLANCE

## FRIDAY

9:30am to 10:30 am	59	Prehistoric Tech
9:30am to 12:30pm	60	Botanical Prints
9:30am to 3:30pm	B	From Field to Closet
	56	Materials That Are Part of the Solution
	55	PontPop Challenge
	57	Ingenious Slime
	C	Tiny House
9:45am to 10:30am	47	Creatures from the Jurassic
10:30am to 10:50am	F	Spinning Wheels
10:45am to 11:25am	22	Innovations for the Environment
10:45am to 11:45am	59	Prehistoric Tech
11am to 11:30am	47	A Little Tour of Great Science
11am to 2pm	E	Follow the Beat
11:45am to 12:15pm	22	Spice Up Your Life
12pm to 12:45pm	47	Raptors: Masters of the Sky
12:30pm to 3:30pm	59	Innovation Meets Tradition
12:40pm to 1:10pm	22	Let's Talk about Biodiversity
1pm to 1:20pm	F	Spinning Wheels
1pm to 3pm	60	Jubilant Juggling
1:15pm to 2pm	47	The Magic of Chemistry
1:30pm to 2pm	22	Electric Fish

## SATURDAY

10:30am to 12:30pm	59	Green Chemistry Unleashed
10:30am to 1:30pm	60	Artistic Transformations
10:30am to 4pm	E	Let's Imagine The Earth Together!
	G	Robotics in Action
10:30am to 4:30pm	38	Tardibabe's Microscopic Art
10:30am to 7pm	B	From Field to Closet
	56	Energy Blowing in the Wind
	C	Tiny House
	55	PontPop Challenge
	57	Ingenious Slime
11am to 11:30am	22	Food Chemistry
11:15am to 12pm	47	#MATH
11:30am to 11:50am	F	Spinning Wheels
12:40pm to 1:10pm	47	A Little Tour of Great Science
1pm to 1:30pm	D	Luka & Massi
1:10pm to 1:50pm	22	Innovations for the Environment
1:30pm to 3:30pm	59	Dance of the Four Elements
1:45pm to 2:25pm	47	Rowing Across the Sea
1:50pm to 2:20pm	D	Luka & Massi
2pm to 4pm	59	Insects and Other Arthropods
2:30pm to 2:50pm	F	Spinning Wheels
2:30pm to 3pm	22	What is Sustainable Health?
3pm to 3:30pm	D	Luka & Massi
3:20pm to 4:05pm	47	Professor Ding's Lab
3:30pm to 4pm	22	Biomimicry: Nature's Genius
4pm to 6pm	59	Making Recycled Paper
4:30pm to 5pm	22	Let's Get Eco-friendly!
4:30pm to 7pm	60	Earth Art
4:40pm to 5:25pm	47	Fire and Ice
7:30pm to 8:45pm	47	Science Packs a Punch! Round 2

## SUNDAY

10:30am to 12:30pm	59	Energy at the Heart of Life
10:30am to 3pm	G	Robotics in Action
10:30am to 5pm	C	Tiny House
	B	From Field to Closet
	56	Taking Tech to Heart
	55	PontPop Challenge
	57	Ingenious Slime
10:45am to 12:45pm	60	Modeling Clay and Paint... Naturally
11am to 11:30am	22	Cooking Under the Sun
11:20am to 12:05pm	47	Raptors: Masters of the Sky
11:30am to 11:50am	F	Spinning Wheels
12pm to 12:40pm	22	In Troubled Waters
12:15pm to 12:45pm	E	The Oldest Tree on St. Helen's Island
12:45pm to 1:30pm	47	The Magic of Chemistry
1pm to 3pm	59	An End to Eco-Anxiety
	60	Painting with Scents
1:10pm to 1:40pm	22	Mass Extinctions Then and Now
2:10pm to 2:40pm	22	Less Lawn, More Diversity!
2:15pm to 3pm	47	Atlas Geocircus in Space
2:30pm to 2:50pm	F	Spinning Wheels
3:10pm to 3:40pm	22	Biomimicry: Nature's Genius
3:15pm to 3:45pm	E	The Oldest Tree on St. Helen's Island
3:20pm to 4:05pm	59	Biodiversity Quiz
3:30pm to 4:15pm	60	Air Performing Under Pressure
	47	Professor Ding's Lab
4:15pm to 5pm	59	Biodiversity Quiz
	60	Air Performing Under Pressure

Program details available here



PHOTOS: MELANIE DUSSEAU