

QPRN presents:

NAPS North American
Pain School

An International Educational Initiative

Since 2016

Pain: Prevention, Treatment, or Cure

Program

June 23 – June 28, 2024

Château Montebello
Montebello, QC, Canada

www.northamericanpainschool.com



#NAPainSchool

Executive Committee



Jeffrey S. Mogil, Ph.D.
(Director)

E.P. Taylor Professor of Pain Studies
Depts. of Psychology and Anesthesia,
Faculties of Science, Medicine, and Dental
Medicine, McGill University.



Christine T. Chambers, Ph.D.
(Associate Director)

Scientific Director at Canadian Institutes
of Health Research / Professor Depts of
Pediatrics and Psychology & Neuroscience,
Dalhousie University and IWK Health Centre.



Theodore Price, Ph.D.

Eugene McDermott Professor / Director of
Center for Advanced Pain Studies, School
of Behavioral and Brain Sciences, University
of Texas at Dallas.



Yenisel Cruz-Almeida, Ph.D.,
M.S.P.H.

Associate Professor and Associate Director, Pain
Research & Intervention Center of Excellence,
University of Florida.



Jennifer Haythornthwaite, Ph.D.

Professor, Dept. of Psychiatry & Behavioral
Sciences, John Hopkins University School
of Medicine.



Rajesh Khanna, Ph.D.

Professor, Dept. of Pharmacology and Therapeutics
University of Florida College of Medicine

Coordination



Erwan Leclair, Ph.D.

Coordinator of the North American Pain
School / Scientific Coordinator of the
Quebec Pain Research Network.



Iulia Tufa, B.Sc.

Coordinator of the North American Pain
School / Scientific Coordinator of the Quebec
Pain Research Network.

Vision of NAPS

The North American Pain School (NAPS) will bring together leading experts in the fields of pain research and management to provide a unique educational and networking experience for the next generation of basic science and clinical pain researchers. We offer opportunities for scientific education, professional development, and connections with peers in a setting far removed from the lab and steeped in the character and culture of Quebec.

Led by an Executive Committee of permanent faculty, NAPS will take place in the first weeks of summer to take full advantage of all that Quebec has to offer—from the Festival International de Jazz de Montreal to nearby wilderness activities. The venue for NAPS will facilitate lectures by both faculties and students as well as intimate breakout conversations and offer an array of recreational opportunities.

Each year's program will have a different theme, and will bring together approximately 30 trainees with six dynamic, internationally recognized pain investigators from around the world and NAPS permanent faculty for an intensive four-day workshop.

Director's Message: Overview of the 2024 North American Pain School

Dear Colleagues

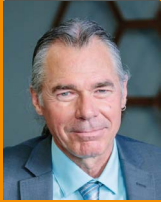
Welcome to the 7th edition of NAPS! Every NAPS is designed to be truly multidisciplinary, and to focus on career development as well as science, but every year we pick a theme that is topical and relevant to guide us in our faculty invitations. For our seventh installment, we have chosen the theme "Pain: Prevention, Treatment, or Cure". With the advent of new migraine prophylactic drugs, and a vaccine for shingles, the concept of pain prevention is looking ever-more possible. Although the biopsychosocial model would suggest that pain is too complicated to be "cured", not everyone has given up on the possibility of a "magic bullet" for pain. We've invited a very accomplished and exciting set of six visiting faculty, who, in addition to participating in our workshops, have been asked to give us their thoughts on these issues. In addition to the permanent and visiting faculty, we will also have the privilege and pleasure of interacting with patient partners and supporters of NAPS. New additions to NAPS this year include a roundtable discussion on scientific publishing and grant-writing. Back from last year are student talks, workshops on presentation skills, mentoring, negotiation, scientific entrepreneurship, and psychophysical testing, "topic lunches", an "Ask-A-Patient" session, and the famous and always entertaining student debates. And of course the times when the true learning occurs, during coffee breaks, meals (including special regional cuisine), bonfire, yoga, and our special outing on the last day of NAPS. I and the rest of the Executive Committee are beyond excited to meet and learn with a new cohort of pain's best-and-brightest.

See you in June!



Jeffrey Mogil, PhD, FCAHS, FRSC
Director, North American Pain School

Visiting Faculty



Michael Sullivan, Ph.D.

- Professor, Department of Psychology, McGill University
- Canada Research Chair in Behavioural Health
- Director, Graduate Program and Internship



Jessica Merlin, M.D., Ph.D., M.B.A

- Director, CHAMPP Clinical Research Center
- Professor, Department of Medicine, University of Pittsburgh School of Medicine



Melanie Noel, Ph.D., RPsych

- Professor, Department of Psychology, University of Calgary
- Killam Memorial Emerging Leader Chair



Ishmail Abdus-Saboor, Ph.D.

- Associate Professor, Zuckerman Mind Brain Behavior Institute, Columbia University



Calia A. Torres, Ph.D.

- Assistant Professor, University of Alabama at Birmingham School of Medicine



Gregory Corder, Ph.D.

- Assistant Professor, Department of Psychiatry, University of Pennsylvania

Patient Partners



Alice Wagenaar

- Patient partner
- Vice-President Quebec Chronic Pain Association
- Ph.D. candidate, Université du Québec à Trois-Rivières



Laurent Dupuis

- Patient partner, Quebec Pain Research Network



NAPSters



Yili Zhao

@ZhaoYili

National Institutes of Health, USA

Supervisor: Lauren Atlas

"Recognizing and learning real pain from others' faces are possible."



Kailyn Witonsky

@krwitonsky

University of Pittsburgh, USA

Supervisor: Caterina Rosano

"Why are some older adults with pain more physically active and resilient than others?"



Jortan Tun

@JortanTun

University of Utah, USA

Supervisor: Baldomero Olivera

"If you are in pain, check your PharmaSea: one cone snail's toxin could be another human's antidote."



Christophe Tanguay-Sabourin

@TanguaySabourin

University of Montreal, Canada

Supervisor: Pierre Rainville

"Mapping pain spread with AI for personalized pain management."



Olivia Solomon

@olivia_sol90

Baylor College of Medicine, USA

Supervisor: Kara Marshall

"Silent no more!"



Hannah Shuster-Hyman

@hannahssh

University of Toronto, Canada

Supervisor: Michael Salter

"Move over microglia! What other innate immune players contribute to neuropathic pain?"



Stephanie Shiers

@sshiers1

University of Texas at Dallas, USA

Supervisor: Theodore Price

"An old man found some nodules
100 years ago... now I found them."



Mariela Rosa Casillas

@mariela_casi

University of California, San Francisco, USA

Supervisor: Allan Basbaum

"What a pain to be awake: long-term imaging of the spinal
cord in awake, behaving mice."



Namrata Raut

@NamrataGRRaut

Cincinnati Children's Hospital
Medical Center, USA

Supervisor: Michael Jankowski

"Role of glial cell in pain."



Ashley Plumb

@an_plumb

University of Iowa, USA

Supervisor: Kathleen Sluka

"Can sex hormones change 'no pain, no gain' to chronic pain
in the brain's domain?"



Y. V. Raghava Neelapala

@YVRaghava1

McMaster University, Canada

Supervisor: Lisa Carlesso

"My thesis explores the transition of ouch
to OUCH in early stage knee osteoarthritis."



Samantha Millard

@millard_sammy

Aalborg University, Denmark

Supervisor: Thomas Graven-Nielsen

"Can your brain waves wave goodbye to pain?"



Imola Mihalecz

University of Montreal, Canada
Supervisor: Ouri Monchi

"Interviewing the human brain by torturing people."



Julia Hooker

@juliaehooker
Harvard Medical School, USA
Supervisor: Ana-Maria Vranceanu

"Turns out your pain is all in your head, but that's a good thing."



Courtney Hess

@Dr_CWHess
Stanford University, USA
Supervisor: Laura Simons

"Pain teams can be a pain! I examine the care team functioning and its impact on patients, families, and providers."



Anastasiia E. Gryshyna

University of Alabama at Birmingham, USA
Supervisor: Jennifer DeBerry

"Hemopexin: pain's public enemy number one in the pelvis."



Carlos Gevers-Montoro

@carlosgeversdc
McGill University, Canada
Supervisor: Mathieu Roy

"Too sick to train, or how physical exercise training may regulate inflammation and its impact on the frontostriatal motivational system during chronic pain."



Adam Dourson

@AdamDourson
Washington University, USA
Supervisor: Rob Gereau

"Women and mice agree that endometrial cells should stay where they belong."



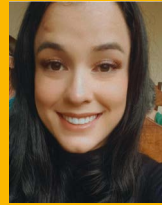
Troy Dildine

@troychris123

Stanford University, USA

Supervisor: Sean Mackey

"Assessing facial expressions of pain and their contribution to health equity of pain and pain assessment."



Beatriz De Moraes

@beatrizcmoraes1

University of Sao Paulo, Brazil

Supervisor: Deborah Schechtman

"Unveiling the role of PLCG: a painful lipase."



Sydney Caparaso

@SydneyMCaparaso

University of Nebraska-Lincoln, USA

Supervisor: Rebecca Wachs

"Understanding low back pain: we were mechanically inclined!"



Weihua Cai

@Weihua1990

McGill University, Canada

Supervisor: Arkady Khoutorsky

"In the twisty tale of fibromyalgia, tiny gut residents turn the pain up."



Jacob Beierle

The Jackson Laboratory, USA

Supervisor: Vivek Kumar

"I'm telling you doc, I can SEE headaches..."



Lizbeth Ayoub

@liz_ayoub

Harvard University, USA

Supervisor: Roberta Sclocco

"The hippocampus is an important brain region for pain sensitivity!"



Rafael Alves Cazuza

@RafaelCazuza6

University of Texas, USA

Supervisor: Peter Grace

"Nobody knows what microglia does in the brain during pain: Neither do I!"

NAPSters (NAPS-PRF Correspondents)



Morgan MacNeil

@morganxmacneil

Dalhousie University, Canada

Supervisor: Marsha Campbell-Yeo

"Pain sucks. Pain in babies is even worse."



Madelene Faye Ho

@iammadho

University of Alberta, Canada

Supervisor: Bradley Kerr

"Why do my macrophages hurt me after I've already been hurt?"



Marimée Godbout-Parent

@marimeeparent12

Université du Québec

en Abitibi-Témiscamingue, Canada

Supervisor: Anaïs Lacasse

"We are turning pain research into progress by integrating the intersectionality of sex and gender - It's not just a project; it's a painovation!"



Rima El-Sayed

@RimaElSayed1

University of Toronto, Canada

Supervisor: Karen Davis

"A painful stimulus is painful but trust us - TWO painful stimuli and you'll feel less pain - unless you feel more pain which is weird so we'll do it again with different equipment and scan your brain to figure out why and it might help tell us how you will respond to treatments too."



Jamie Moffa

@thatbrass

Washington University, USA

Supervisor: Brian Copits

"If we kick opioid receptors out of brain cells, do mice hurt more?"



DAY BY DAY

SUNDAY, JUNE 23rd

MONDAY, JUNE 24th

TUESDAY, JUNE 25th

WEDNESDAY, JUNE 26th

THURSDAY, JUNE 27th

FRIDAY, JUNE 28th

Sunday,
June 23rd

12:00 p.m. Quebec	Early Birds Light lunch
2:00-5:00 p.m. Lobby	Registration and Check-in
4:30-5:30 p.m. Foyer Outaouais	Welcome Cocktail Hour
4:45-5:00 p.m. Outaouais 1	NAPS-PRF Correspondents Meeting Gregory Carbonetti
5:30-6:00 p.m. Outaouais 1	Opening Remarks - Director's Welcome - Supporters' Welcome Louis Gendron (QPRN) Lauriane Guichard (North Carolina Pain Management Center) Tianna Magel (CIHR-IMHA) - Introduction of Executive Committee - Introduction to Yoga with Ondine - Debate Instructions and Teams
6:00-6:20 p.m. Outaouais 1	Patient Partner Intros Alice Wagenaar, Laurent Dupuis
6:20-6:50 p.m. Outaouais 1	Special Lecture: Calia A. Torres (NAPS Alum) From NAPS to NOW
7:00-8:30 p.m. Aux Chantignoles	Dinner
8:30-9:30 p.m. Outaouais 1	Icebreaker Games

Monday
June 24th

7:00-7:50 a.m.
Foyer Outaouais

Yoga with Ondine

8:00-9:00 a.m.
Aux Chantignoles

Breakfast

9:00-9:30 a.m.
Outaouais 1

Meet the Executive Committee
**Jeffrey Mogil, Christine Chambers (via Zoom),
Jennifer Haythornthwaite, Theodore Price,
Yenisel Cruz-Almeida, Rajesh Khanna**

9:30-10:00 a.m.
Outaouais 1

Student Presentations (#1-3)

10:00-10:30 a.m.
Foyer Outaouais

Coffee Break

10:30-11:20 a.m.
Outaouais 1

Visiting Faculty Talk: Gregory Corder
**Tackling Pain Suffering: Mimicking Opioid
Analgesia in Cortical Pain Pathways**

11:20-11:50 a.m.
Outaouais 1

Student Presentations (#4-6)

12:00-2:30 p.m.
Aux Chantignoles

Topic Lunch and Break

Monday,
June 24th

- | | |
|--------------------------------------|--|
| 2:30-3:30 p.m.
Outaouais 1 | Student Presentations (#7-12) |
| 3:30-3:50 p.m.
Foyer Outaouais | Coffee Break |
| 3:50-4:40 p.m.
Outaouais 1 | Visiting Faculty Talk: Jessica Merlin
Health Behavior, Implementation Science,
and Some Pearls I Learned Along the Way |
| 4:40-5:30 p.m.
Outaouais 1 | Student Presentations (#13-17) |
| 6:00-7:30 p.m.
Aux Chantignoles | Dinner |
| 7:30-9:00 p.m.
Outaouais 1 | Workshop: Making the Most of Mentors
Jennifer Haythornthwaite |
| 9:15-11:00 p.m.
Meet in the lobby | Bonfire |

Tuesday,
June 25th

7:00-7:50 a.m.
Foyer Outaouais

Yoga with Ondine

8:00-9:00 a.m.
Aux Chantignoles

Breakfast

9:00-9:30 a.m.
Outaouais 1

Ask-a-Patient

Alice Wagenaar, Laurent Dupuis

9:30-10:30 a.m.
Outaouais 1

Student Presentations (#18-23)

10:30-10:50 a.m.
Foyer Outaouais

Coffee Break

10:50-11:40 a.m.
Outaouais 1

Visiting Faculty Talk: Michael Sullivan
Pain Catastrophizing: 30 Years of Research
– What Have We Learned?

12:00-2:30 p.m.
Aux Chantignoles

Topic Lunch and Break

2:30-4:00 p.m.
Outaouais 1 /
Outside

Workshop: Entrepreneurship in Science,
Pitching Your Idea
Theodore Price

Tuesday,
June 25th

4:00-4:30 p.m.
Foyer Outaouais

Coffee Break

4:30-5:40 p.m.
Outaouais 1

Student Presentations (#24-30)

6:00-7:30 p.m.
Heritage Terrace

Sugar Shack Dinner

7:30-9:00 p.m.
Heritage

Workshop: Style Over Substance : Giving
Better Talks

Jeffrey Mogil

9:00-10:30 p.m.

Debate Preparation

Wednesday,
June 26st

7:00-7:50 a.m. Foyer Outaouais	Yoga with Ondine
8:00-9:00 a.m. Aux Chantignoles	Breakfast
9:00-9:50 a.m. Outaouais 1	Visiting Faculty Talk: Ishmail Abdus-Saboor Quantitative Approaches for Measuring Pain and Nociception
9:50-10:10 a.m. Foyer Outaouais	Coffee Break
10:10-11:50 a.m. Outaouais 1	Workshop: Writing for the Public: How to Write About Your Research to People Without (and With) Science Degrees Gregory Carbonetti
12:00-2:30 p.m. Aux Chantignoles	Lunch and Break
2:30-4:30 p.m. Quebec/Ontario	Workshop: Pain Testing in Humans Yenisel Cruz-Almeida
4:30-4:45 p.m. Foyer Quebec	Coffee Break
4:45-5:45 p.m.	Debate preparation
6:00-7:30 p.m. Terrasse	BBQ Dinner
7:30-9:00 p.m. Outaouais 1/ Outside	Workshop: Academic Negotiation 101 Rajesh Khanna
9:00-10:30 p.m.	Debate Preparation

Thursday,
June 27th

7:00-7:50 a.m.
Foyer Outaouais

Yoga with Ondine

8:00-9:00 a.m.
Aux Chantignoles

Breakfast

9:00-9:50 a.m.
Outaouais 1

Visiting Faculty Talk: Melanie Noel
**Moving the Needle from the Biopsychosocial to
the Socio-Political and Structural: Innovative
Approaches to Researching and Targeting Adverse
Childhood Experiences and Pediatric Pain**

9:50-11:20 a.m.
Outaouais 1/
Outside

Roundtable Discussions: 1) Scientific Publishing OR
2) Tips for Grant-Writing
Executive Committee and Visiting Faculty

12:00-5:00 p.m.
Meet in the lobby

Whitewater Rafting (Lunch Boxes Provided)

6:30-10:00 p.m.
Foyer Outaouais

Cocktails, Banquet, Student Debate and
Graduation Ceremony

10:00 p.m.
Foyer Outaouais

DJ and Dancing

Friday,
June 28th

Early birds
Lobby

Breakfast Boxes

8:00-10:00 a.m.
Aux Chantignoies

Breakfast

Before 12:00 noon
Lobby

Check-out

Shuttle Departures:
(See Shuttle Schedule for Specific Details)

NAPS-PRF Correspondents Program

The Executive Committee of NAPS is dedicated to engaging participants and other pain researchers using all of today's available tools. To this end, the IASP Pain Research Forum (PRF) has committed to sponsor six NAPS participants as "PRF Correspondents". The Correspondents will reach others in the pain field through first-hand reporting online and through social media through content for the PRF website - including scientific session recaps, interviews with faculty, blog posts - and through live reporting on social media like X (Twitter). This initiative will benefit those outside of NAPS and help these six participants hone their science communications and writing skills.



Gregory Carbonetti, Ph.D.

IASP Associate Director of Publications
PRF Senior Manager



Sponsors



The Louise and Alan Edwards Foundation, Eli Lilly and Company
The Mayday Fund, International Association for the Study of Pain, Rita Allen Foundation, Canadian Pain Network,
CIHR Institute of Musculoskeletal Health and Arthritis
Solution for Kids in Pain, Pain Research Forum, QSTLab

Sponsors - Research centres



Organizer



Supporters



Washington U. Pain Center, McGill U. Alan Edwards Centre for Research on Pain, U. of Texas Center for Advanced Pain Studies, Pittsburgh Center for Pain Research, U. of Florida Pain Research and Intervention Center of Excellence, U. of Alabama at Birmingham, U. of Toronto Centre for the Study of Pain, U. North Carolina Pain Management Center, Quebec Pain Research Network, The Canadian Pain Society, US Association for the Study of Pain



North American Pain School

Coordination team

Erwan Leclair, Ph.D.
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Iulia Tufa, B.Sc.
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www.northamericanpainschool.com #NAPainSchool

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