

QPRN presents:

NAPS North American Pain School

An Educational Initiative of IASP and ACTION

**To Boldly Go... :
The Future of Pain Treatment**

Program

June 24 – June 29, 2018

*Chateau Montebello
Montebello, QC, Canada*

www.northamericanpainschool.com



#NAPainSchool

Executive Committee



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

E.P. Taylor Professor of Pain Studies /
Canada Research Chair in the Genetics
of Pain (Tier 1) / Dept. of Psychology
/ Director, Alan Edwards Centre for
Research on Pain, McGill University



Prof. Christine T. Chambers, Ph.D. (Assistant Director)

Canada Research Chair in Children's Pain
(Tier 1) / Prof., Depts. of Pediatrics and
Psychology & Neuroscience
Dalhousie University and IWK Health
Centre



Prof. Roger B. Fillingim, Ph.D.

Distinguished Professor, University of
Florida College of Dentistry / Director, UF
Pain Research and Intervention Center of
Excellence



Prof. Nicolas Beaudet, Ph.D.

Assistant Director, Quebec Pain
Research Network / Adjunct Professor,
Dept. of Anesthesiology, Faculty of
Medicine and Health Sciences,
Université de Sherbrooke



Prof. Anne-Louise Oaklander, M.D., Ph.D.

Associate Professor of Neurology
Director, Nerve Unit Harvard Medical School
and Massachusetts General Hospital



Prof. Petra Schweinhardt, M.D., Ph.D.

Adjunct Professor, Faculty of Dentistry and
Alan Edwards Centre for Research on Pain,
McGill University / Senior Scientist,
Interdisciplinary Spinal Research,
Department of Chiropractic Medicine,
University of Zurich



Prof. Michael S. Gold, Ph.D.

Professor, Dept. of Anesthesiology
University of Pittsburgh School of Medicine

Coordination



Dr. Alexandre J. Parent, Ph.D.

Head coordinator of the North American
Pain School / Head coordinator of the
Quebec Pain Research Network



Dr. Erwan Leclair, Ph.D.

Assistant coordinator of the North American
Pain School / Assistant 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 (June 28-July 7, 2018) to nearby wilderness activities. The venue for NAPS will facilitate lectures (by both faculty 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 2018 North American Pain School

Dear Colleagues,

Welcome to NAPS! For our third installment, we have chosen the theme “To Boldly Go... : The Future of Pain Treatment”. Every NAPS is designed to be multidisciplinary, and to focus on career development as well as science, but we try to pick a theme that is topical and relevant to guide us in our faculty invitations. This year's theme is all about predicting the future of pain research and treatment. Pain has been stuck in the “dark ages” for a little while now, amongst a large number of failed clinical trials. But there is a lot of reason for optimism, as powerful new techniques, concepts and initiatives are introduced. We've invited a very accomplished and exciting set of visiting faculty, who, in addition to participating in our workshops, have been asked to predict the future for us. New additions to NAPS this year include “Topic Lunches”, featuring focused conversations led by our faculty and chosen by the students, a new workshop on reproducibility and rigour in pain research, and an “Ask-A-Patient” session. Back from last year are student talks, workshops on presentation skills, mentoring, psychophysical testing and knowledge translation, and the student debates. And of course the times when the true learning occurs, over meals, bonfires, the sugar shack, and rafting. 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!

A handwritten signature in black ink, appearing to read 'J. Mogil', with a stylized flourish at the end.

Jeffrey S. Mogil, Ph.D.
Director, North American Pain School

Visiting Faculty



Prof. Allan I. Basbaum, Ph.D.

- Professor & Chair, Dept. Anatomy, School of Medicine / University of California San Francisco
- National Academy of Medicine / USA
- Fellow Royal Society /United Kingdom



Prof. Stefan J. Friedrichsdorf, M.D., FAAP

- Associate Professor, Dept. of Pediatrics / University of Minnesota
- Medical Director, Department of Pain Medicine, Palliative Care & Integrative Medicine / Children's Hospitals and Clinics of Minnesota



Prof. Ian Gilron, M.D., M.Sc., FRCPC

- Professor, Dept. Of Anesthesiology & Biomedical Sciences / Queen's University
- Director of clinical pain research / Kingston Health Sciences Centre
- Chair, Clinical research network / Chronic Pain Network CIHR SPOR



Prof. Irene Tracey, M.A., D.Phil.

- Professor and Chair, Nuffield Department of Clinical Neurosciences / University of Oxford
- Fellow Academy Medical Sciences / United Kingdom



Prof. Michael Salter, M.D., Ph.D.

- Professor, Dept. of Physiology, Faculty of Medicine and Dept. of Medical Sciences, Faculty of Dentistry / University of Toronto
- Chief of Research / The Hospital for Sick Children (SickKids)
- Northbridge Chair in Paediatric Research



Prof. Judy Watt-Watson, R.N., M.Sc., Ph.D.

- Professor Emeritus, Lawrence S. Bloomberg Faculty of Nursing / University of Toronto
- Senior Fellow, Massey College / University of Toronto

Patient Representatives



Mr. Jacques Laliberté

- Founding Director / *Association québécoise de douleur chronique (AQDC)*
- Executive Committee Patient co-chair / Chronic Pain Network CIHR SPOR



Ms. Leslie M. Levine, Ph.D., V.M.D., J.D.

- Member of Board of Directors / Neuropathy Support Network and Neuropathy Action Foundation
- Patient Panel Member / American Academy of Neurology
- Steering Committee Member / National Academy for State Health policy



NAPSters



Britney Benoit

@britney_benoit

Dalhousie University, Canada

Supervisor: Dr. Marsha Campbell-Yeo

"Does breastfeeding reduce pain activity in a babies brain when you poke them in the foot? We hope so, but doing neuroimaging research in newborns takes forever so stay tuned for when I finish my thesis!"



Staja Booker

The University of Florida, USA

Supervisor: Dr. Roger Fillingim

"#TheirJointsMatter: Equipping older Blacks to manage osteoarthritis pain before a heart attack of the joint."



Giovanni Berardi

@gioberardi

Marquette University, USA

Supervisor: Dr. Marie Hoeger Bement

"The fine line between pleasure and pain, the importance of exercise specificity and exercise-induced hypo...or...err...algesia."



Anne Burke

@anne_burke

The University of Adelaide, Australia

Supervisor: Dr. Jane Mathias

"To waitlist or not to waitlist - that is the question."



Katelynn Boerner*

@KatelynnBoerner

BC Children's Hospital, Canada

Supervisor: Dr. Amrit Dhariwal

"Pain in girls and boys is the same but different."



Michael Chiang

@michaelchiang

University of Pittsburgh, USA

Supervisor: Dr. Sarah E. Ross

"An understanding of the affective brain effectively affects effective pain therapeutics."



Chulmin Cho*

@Chulmin8693

University of Toronto, Canada

Supervisor: Dr. Loren Martin

"The Brain is a master trickster that can even trick you into pain relief."



Olivia Eller-Smith

@O_EllerSmith

University of Kansas Medical Center, USA

Supervisor: Dr. Julia A. Christianson

"Stress hurts! Can lifestyle interventions help?"



Janie Damien

@JanieDamien

Université de Sherbrooke, Canada

Supervisor: Dr. Serge Marchand

"What if analgesia induced by conditioned pain modulation, hypnosis or placebos rely on different mechanisms?"



Michelle Failla

@faillaphd

Vanderbilt University, USA

Supervisor: Dr. Carissa Cascio

"Everyone thought that people with autism don't feel pain, but actually, the truth hurts."



Annemarie Dedek

@AnnemarieDedek

Carleton University, Canada

Supervisor: Dr. Mike Hildebrand

"If you've ever wondered if pain processing is the same in human and rat spinal cords, I can save you a lot of time: yes, kind of."



David Ferreira

@dwferreira1

University of Pittsburgh, USA

Supervisor: Dr. Rebecca P. Seal

"Combining old (but gold) drugs and cutting-edge techniques to prevent chronic pain and improve morphine analgesia."



Lauren Heathcote*

@LCHeatecote

Stanford University, USA

Supervisor: Dr. Laura Simons

"Pain is sh*it. Cancer is even more sh*it. Kids who cope with both are badass."



Jiacheng Ma

@jiacheng_ma

MD Anderson Cancer Center, USA

Supervisor: Dr. Annemieke Kavelaars

"Treating chemotherapy-induced peripheral neuropathy by targeting the histone deacetylase that does not deacetylate histone."



Samuel Krimmel

@KrimmelSam

University of Maryland Baltimore, USA

Supervisor: Dr. David Seminowicz

"Biomarkers for symptom improvement in mindfulness-based stress reduction treatment of episodic migraine."



Donald I. Macdonald*

@dimacdonald

University College London, UK

Supervisor: Dr. John N. Wood

"Why it hurts when winter comes."



Edward Lannon

@LannonPerez

The University of Tulsa, USA

Supervisor: Dr. Jamie Rhudy

"Making people feel afraid makes them feel more pain and it also makes their reflexes bigger."



Hadas Nahman-Averbuch

@NahmanAverbuch

Cincinnati Children's Hospital, USA

Supervisor: Dr. Robert Coghill

"Puberty as a risk factor for chronic pain development."



Natalie Osborne*

@NatalieRaeOz

University of Toronto, Canada

Supervisor: Dr. Karen Davis

"SEX! Now that I've got your attention, I'm asking the brain why sex differences in chronic pain exist..."



Valérie Bourassa

@ValerieBourass1

McGill University, Canada

Supervisor: Dr. Alfredo Ribeiro-da-Silva

"What causes chronic debilitating pain in your joints; the answer will shock you! (I don't know yet)."



Candler Paige

@CandlerPaige

University of Texas at Dallas, USA

Supervisor: Dr. Theodore Price

"What women want: A sex-specific drug target for chronic pain"



Katelyn Sadler

@katesadler77

Medical College of Wisconsin, USA

Supervisor: Dr. Cheryl Stucky

"Go with the (sometimes blocked) flow: Circulating metabolites drive chronic sickle cell disease pain."



Bethany Pester

@BethanyPester

Wayne State University, USA

Supervisor: Dr. Annmarie Cano

"An unhelpful significant other can be a real pain in the ~~ass~~ hand."



Boriss Sagalajev

@Sagalajev_B

Hospital for Sick Children, Canada

Supervisor: Dr. Steve Prescott

"In the footsteps of Dr. Frankenstein: Reviving the brain with electricity."



Vijay Samineni

@Vijay_Samineni

Washington University St. Louis, USA

Supervisor: Dr. Robert W. Gereau

"Let me relieve your pain: It's a TRAP."



Inge Timmers

@Inge_Timmers

Stanford University, USA

Supervisor: Dr. Laura Simons

"Apparently parents are sad when they see their kids in pain."



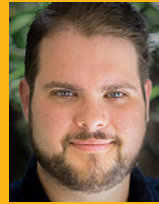
Saurab Sharma

@link_physio

University of Otago, New Zealand

Supervisor: Dr. J. Haxby Abbott

"Pain in the top of the world."



Alexander H. Tuttle*

@TuttlePhD

University of North Carolina

Chapel Hill, USA

Supervisor: Dr. Mark J. Zylka

"Zuckerberging mouse selfies to make drugs and profit."



Amanda Stone

@amandalstone

Oregon Health & Science

University, USA

Supervisor: Dr. Anna Wilson

"Chronic pain throws a monkey wrench into parenting."



Suratsawadee Wangnamthip

@Jenna_Surat

Mahidol University, Thailand

Supervisor: Dr. Nantthasorn Zinboonyahgoon

"Is an expensive tool like SCS an option for the poor?"

**PRF-NAPS correspondents*



DAY BY DAY

SUNDAY, JUNE 24TH

MONDAY, JUNE 25TH

TUESDAY, JUNE 26TH

WEDNESDAY, JUNE 27TH

THURSDAY, JUNE 28TH

FRIDAY, JUNE 29TH

**Sunday,
June 24th**

2:00-5:00 p.m.
Lobby

Registration and Check-in

4:00-5:00 p.m.
Foyer Outaouais

Welcoming Cocktail

4:45-5:00 p.m.
Outaouais I

**Special Meeting for PRF-NAPS
Correspondents**

Christine Chambers and Neil Andrews

5:00-5:30 p.m.
Outaouais I

Opening Remarks

-Director's Welcome

-Supporters' Welcome

-Introduction of Executive Committee

-Debate Instructions and Teams

5:30-6:00 p.m.
Outaouais I

**Patient Intros: Jacques Laliberté
and Leslie Levine**

*"A Hell of a Ride"; "How Pain Changed
My Life"*

6:00-7:00 p.m.
Outaouais I

Keynote Lecture: Allan Basbaum

*Pain Mechanisms and Pain Management:
From the Laboratory to the Clinic*

7:00-8:30 p.m.
Aux Chantignoles

Dinner

8:30-9:30 p.m.

Free night

**Monday,
June 25th**

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

Yoga with Ondine

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

Breakfast

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

**Meet the Executive Committee
(short talks)**

*Jeffrey Mogil, Christine Chambers,
Roger Fillingim, Michael Gold,
Anne-Louise Oaklander and
Petra Schweinhardt*

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

Student Presentations (#1-4)

10:30-11:00 a.m.
Foyer Outaouais

Coffee Break

11:00-11:50 a.m.
Outaouais I

Michael Salter

Sex, Pain and Microglia

11:50-12:20 p.m.
Outaouais I

Student Presentations (#5-7)

12:30-3:00 p.m.
Aux Chantignoles

Topic Lunch and Break

**Monday,
June 25th**

3:00-3:50 p.m.

Outaouais I

Student Presentations (#8-12)

3:50-4:10 p.m.

Foyer Outaouais

Coffee Break

4:10-5:00 p.m.

Outaouais I

Stefan Friedrichsdorf

The evidence is sound and the policies are written, so what could possibly go wrong? Implementing change to prevent and treat pain in a children's hospital

5:00-5:40 p.m.

Outaouais I

Student Presentations (#13-16)

6:00-7:30 p.m.

Terrasse

BBQ Dinner

7:30-9:10 p.m.

Outaouais I

**Workshop: Mentor versus Tormentor:
Best practices in the mentoring
relationship**

Roger Fillingim

9:15-11:00 p.m.

Meet in the lobby

Bonfire

Tuesday, June 26th

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 I

Irene Tracey

Imaging Pain Mechanisms Not Pain Perception

9:50-10:30 a.m.
Outaouais I

Student Presentations (#17-20)

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

Coffee Break

10:50-11:50 a.m.
Outaouais I

Student Presentations (#21-26)

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

Topic Lunch and Break

2:30-4:10 p.m.
Outaouais I

Workshop: Reproducibility and Rigour in Pain Research

Michael Gold

**Tuesday,
June 26th**

4:10-4:30 p.m.
Foyer Outaouais

Coffee Break

4:30-5:10 p.m.
Outaouais I

Student Presentations (#27-30)

5:10-5:40 p.m.
Outaouais I

Ask-a-Patient

6:00-7:30 p.m.
Aux Chantignoles

Dinner

7:30-9:10 p.m.
Outaouais I

**Workshop: Interviewing and
Diagnosing Pain Patients**
Anne-Louise Oaklander

9:10-11:00 p.m.

Debate Preparation

Wednesday, 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 I

Ian Gilron

Clinical Trials of Interventions for Pain Management

9:50-10:20 a.m.

Coffee Break

10:20-12:00 a.m.
Outaouais I/Outside

Workshop: Negotiation Skills in Academia and Beyond

Nicolas Beaudet

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

Topic Lunch and Break

2:30-4:30 p.m.
Quebec/Ontario

Workshop: Pain and Sensory Testing in Humans

Petra Schweinhardt

4:30-6:00 p.m.
*Foyer Quebec/
Ontario*

Coffee Break and Debate Preparation


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

Sugar Shack Dinner

7:30-9:10 p.m.
Heritage

**Workshop: Style Over Substance:
Giving Better Talks**

Jeffrey Mogil



**Thursday,
June 28th**

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 I

Judy Watt-Watson

*Pain education: Bridging the gap between
knowledge and practice*

9:50-11:30 a.m.
Outaouais I

**Workshop: Making Sure Your Research Makes
a Difference: Knowledge Translation for Pain
Scientists**

Christine Chambers

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

Recreational Outing (lunch boxes provided)

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

Cocktail, Banquet & Student Debate

10:00 p.m.
Foyer Outaouais

Live Band

**Friday,
June 29th**

Early birds

Lobby

Breakfast lunch box

8:00-10:00 a.m.

Aux Chantignoles

Breakfast

Before 12:00 noon Check-out

Lobby

Shuttle departures :

(see shuttle schedule for specific details)

PRF-NAPS 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 five NAPS participants as special "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 Twitter. This initiative will benefit those outside of NAPS and help these five participants hone their science communications and writing skills.



Mr. Neil Andrews

IASP PRF Executive Editor / Science Journalist and Writer



Sponsors

NAPS appreciates funding by:

**ACTION (Analgesic, Anesthetic, and Addiction Clinical
Trial Translations, Innovation, Opportunities, and Networks)**

www.action.org

**Chronic Pain Network – Strategy for Patient-
Oriented Research**

www.chronicpainnetwork.ca

Grunenthal GmbH

www.grunenthal.com

The International Association for the Study of Pain

www.iasp-pain.org

Eli Lilly Canada

www.lilly.ca

The Pain Research Forum

www.painresearchforum.org

The Quebec Pain Research Network

www.qprn.ca



Supporters

NAPS appreciates support by:

The American Pain Society

www.americanpainsociety.org

The Canadian Pain Society

www.canadianpainsociety.ca

The Mayday Fund

www.maydayfund.org





North American Pain School

Coordination team

Alexandre Parent, Ph.D.

naps@iasp-pain.org

Erwan Leclair, Ph.D.

naps@iasp-pain.org

www.northamericanpainschool.com #NAPainSchool

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