QPRN presents:

North American Pain School

An educational initiative of IASP, in collaboration with ACTTION

Translational Pain Research: How to Conduct Science That Matters

Program

June 26 – June 30, 2016
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.
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

Dr. Nicolas Beaudet, Ph.D.
Head Coordinator, 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.
Associate Professor, Faculty of Dentistry and Alan Edwards Centre for Research on Pain, McGill University

Prof. Michael S. Gold, Ph.D.
Professor, Dept. of Anesthesiology University of Pittsburgh School of Medicine
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 30–July 9, 2016) 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 2016 North American Pain School

Dear Colleagues,

Welcome to NAPS! For our inaugural school, we have chosen the theme “Translational Pain Research: How to Conduct Science That Matters.” We did this to emphasize NAPS’ commitment to provide instruction on the full gamut of pain research as currently practiced. We will focus on different topics and/or levels of analysis every year; for our first year we wanted to showcase those who make a particular effort to cross boundaries in their own research. We interpret the word “translation” broadly. Translation can mean efforts to simultaneously demonstrate phenomena in animals and humans, efforts to bridge between animals, non-patient humans and patients, and simply efforts to consider the full range of techniques available. To these ends, our permanent and visiting faculty this year have expertise in fields as diverse as epidemiology, knowledge translation, clinical testing, psychosocial factors, developmental factors, quantitative sensory testing, imaging, genetics, endocrinology, pharmacology, immunology, and electrophysiology. Visiting faculty will be giving two talks, one focused on data and another focused on methodology. Permanent faculty will give one talk, and each will run a “soft skills”/practical workshop on a different theme. And of course every student will give a talk as well, so we can all learn from each other. We are very excited about our line-up for this year and the program we’ve put together, and are looking forward to spending some quality time with the cream of the crop of the future of pain science and treatment. See you in June!
Visiting Faculty

Karen Davis, Ph.D.
Professor, Dept. of Surgery and Institute of Medical Science
University of Toronto / Head, Division of Brain, Imaging and Behavior-Systems Neuroscience
Krembil Research Institute, Toronto Western Hospital, University Health Network

Luda Diatchenko, Ph.D.
Canada Excellence Research Chair in Human Pain Genetics
Professor, Depts. of Anesthesia and Dentistry / Alan Edwards Centre for Research on Pain, McGill University

Francis Keefe, Ph.D.
Professor, Dept. of Psychology and Neurosciences / Director, Duke Pain Prevention and Treatment Research Program, Duke University School of Medicine

Gary Macfarlane, Ph.D.
Professor, Chair in Epidemiology and Director of Research
Institute of Applied Health Sciences, University of Aberdeen

Robert W. Gereau, IV, Ph.D.
Dr. Seymour and Rose T. Brown Professor of Anesthesia / Director, Washington University Pain Center Washington, University School of Medicine

Dennis Turk, Ph.D.
John and Emma Bonica Endowed Chair and Professor of Anesthesiology & Pain Medicine
Research Director, Center for Pain Research on Impact, Measurement & Effectiveness (C-PRIME), University of Washington
DAY BY DAY

SUNDAY, JUNE 26TH
MONDAY, JUNE 27TH
TUESDAY, JUNE 28TH
WEDNESDAY, JUNE 29TH
THURSDAY, JUNE 30TH
FRIDAY, JULY 1ST
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>Before 5:30 p.m.</td>
<td>Arrival of Scholars and Faculty</td>
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<tr>
<td>2:00-5:30 p.m.</td>
<td>Registration and Check-in (4 p.m.)</td>
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<td>Lobby</td>
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<td>4:30-5:30 p.m.</td>
<td>Welcoming cocktail</td>
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<td>Outaouais I - foyer</td>
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<tr>
<td>5:30-6:15 p.m.</td>
<td>Opening Remarks</td>
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<tr>
<td>Outaouais I</td>
<td>- Director’s welcome</td>
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<td>- Supporters’ welcome</td>
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<td>- Introduction of Executive Committee</td>
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<td>- Debate instructions and teams</td>
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<tr>
<td>6:15-7:15 p.m.</td>
<td>Keynote Lecture – Dennis Turk</td>
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<tr>
<td>Outaouais I</td>
<td>Chronic Pain: Snap Shots and Moving Pictures</td>
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<tr>
<td>7:15-8:45 p.m.</td>
<td>Dinner</td>
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<td>Aux Chantignoles</td>
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<tr>
<td>8:45-9:15 p.m.</td>
<td>Special meeting for PRN-NAPS correspondents</td>
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<tr>
<td>Outaouais I</td>
<td>Christine Chambers and Neil Andrews</td>
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<td>After 8:45 p.m.</td>
<td>Free Night</td>
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**Monday, June 27th**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:15-8:00 a.m.</td>
<td>Yoga with Ondine</td>
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<td>Outaouais I - foyer</td>
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<tr>
<td>8:00-8:45 a.m.</td>
<td>Breakfast</td>
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<td>Aux Chantignoles</td>
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<tr>
<td>8:45-9:15 a.m.</td>
<td>Francis Keefe</td>
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<td>Outaouais I</td>
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<tr>
<td></td>
<td><em>Pain coping skills training interventions: novel approaches to delivering treatments</em></td>
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<tr>
<td>9:15-9:55 a.m.</td>
<td>Student Presentations (#1-4)</td>
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<td>Outaouais I</td>
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<tr>
<td>9:55-10:30 a.m.</td>
<td>Coffee Break</td>
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<td>Outaouais I - foyer</td>
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<tr>
<td>10:30-11:00 a.m.</td>
<td>Karen Davis</td>
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<td>Outaouais I</td>
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<td></td>
<td><em>A primer on brain imaging: a peak behind the curtain of functional and structural MRI</em></td>
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<tr>
<td>11:00-12:00 p.m.</td>
<td>Student Presentations (#5-10)</td>
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<td>Outaouais I</td>
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<tr>
<td>12:00-12:30 p.m.</td>
<td>Christine Chambers</td>
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<td>Outaouais I</td>
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<td><em>Implementation science: mobilizing pain evidence into practice</em></td>
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<tr>
<td>12:30-2:30 p.m.</td>
<td>Lunch and Break</td>
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<td>Aux Chantignoles</td>
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<td>Time</td>
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<td>2:30-3:00 p.m.</td>
<td>Anne-Louise Oaklander</td>
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<td>3:00-3:30 p.m.</td>
<td>Student Presentations (#11-13)</td>
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<td>3:30-3:45 p.m.</td>
<td>Coffee Break</td>
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<td>3:45-4:15 p.m.</td>
<td>Francis Keefe</td>
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<td>4:15-5:15 p.m.</td>
<td>Student Presentations (#14-19)</td>
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<tr>
<td>6:00-7:30 p.m.</td>
<td>Dinner</td>
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<td>7:30-10:00 p.m.</td>
<td>Roger Fillingim</td>
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<td>Michael Gold</td>
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Tuesday, June 28th

7:15-8:00 a.m.  
Yoga with Ondine  
Outaouais I - foyer

8:00-8:45 a.m.  
Breakfast  
Aux Chantignoles

8:45-9:15 a.m.  
Karen Davis  
What can brain imaging tell us about individual differences in pain?  
Outaouais I

9:15-9:55 a.m.  
Student Presentations (#20-23)  
Outaouais I

9:55-10:30 a.m.  
Coffee Break  
Outaouais I - foyer

10:30-11:00 a.m.  
Robert Gereau  
Optogenetic approaches for the study of pain  
Outaouais I

11:00-12:10 p.m.  
Student Presentations (#24-30)  
Outaouais I
Tuesday, June 28th

12:30-2:30 p.m.  
Lunch and Break  
Aux Chantignoles

2:30-4:00 p.m.  
Anne Louise Oaklander  
Outaouais I  
Workshop: “How to Get That Grant”

4:00-4:15 p.m.  
Coffee Break  
Outaouais I - foyer

4:15-5:45 p.m.  
Nicolas Baudet  
Outaouais I  
Workshop: “How to Manage a Lab: What They Don’t Teach You in Grad School”

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

7:30-9:00 p.m.  
Debate Preparation  
Québec & Ontario

9:00 p.m.  
Bonfire (meet in the lobby)  
By the Outaouais river
Wednesday, June 29th

7:15-8:00 a.m. Yoga with Ondine
   Outaouais I - foyer

8:00-8:45 a.m. Breakfast
   Aux Chantignoles

8:45-9:15 a.m. Gary Macfarlane
   Epidemiological study designs: something old, something new
   Outaouais I

9:15-9:45 a.m. Roger Fillingim
   Complexities of pain: thoughts from a biopsychosocialist
   Outaouais I

9:45-10:15 a.m. Coffee Break
   Outaouais I - foyer

10:15-10:45 a.m. Robert Gereau
   Translational pain research: targeting central sensitization
   Outaouais I

10:45-11:15 a.m. Luda Diatchenko
   Genetic tools to study human complex traits
   Outaouais I

11:15-12:15 p.m. Christine Chambers
   Workshop: “Knowledge Translation for Pain Scientists”, pt. 1
   Outaouais I
12:30-2:30 p.m. Lunch and Break  
Aux Chantignoles

2:30-4:15 p.m. Petra Schweinhardt  
Outaouais I  
Workshop: Pain and Sensory Testing in Humans

4:15-4:30 p.m. Coffee Break  
Outaouais I - foyer

4:30-5:00 p.m. Christine Chambers  
Outaouais I  
Workshop: “Knowledge Translation for Pain Scientists”, pt. 2

5:30-7:30 p.m. Traditional sugar shack dinner  
Heritage terrace

7:30-9:00 p.m. Jeffrey Mogil  
Heritage room  
Workshop: “Style Over Substance: Giving Better Talks”

9:00-10:00 p.m. Debate Preparation  
Québec & Ontario

Wednesday, June 29th
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<td>Outaouais I</td>
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<td>Alcohol and pain: cause, consequence or confounding?</td>
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<td>9:15-9:45 a.m.</td>
<td>Jeffrey Mogil</td>
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<td>Outaouais I</td>
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<td>Adventures in translation: from mice to undergrads to patients</td>
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<td>Outaouais I</td>
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<td>Bedside to bench and back again: strategies to facilitate the process of translation</td>
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<td>10:45-11:15 a.m.</td>
<td>Luda Diatchenko</td>
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<td>Outaouais I</td>
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<td></td>
<td>The search for human pain genes</td>
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Thursday, June 30th

12:00
Lunch Box
Lobby

12:00-5:00 p.m.
Recreational outing
Whitewater rafting on the Rouge river

6:00-9:00 p.m.
Banquet Dinner / Student Debate / Graduation Ceremony
Outaouais I - foyer

After 9:00 p.m.
Concert with J2
Outaouais I - foyer
Friday, July 1st

Early birds
Lobby

8:00-8:45 a.m.
Aux Chantignoles

10:00 a.m.
Lobby

Breakfast lunch box

Breakfast

Check-out
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 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.
Sponsors

NAPS appreciates funding by:

ACTTION (Analgesic, Anesthetic, and Addiction Clinical Trial Translations, Innovation, Opportunities, and Networks)
www.acttion.org

Grunenthal GmbH
www.grunenthal.com

The International Association for the Study of Pain
www.iasp-pain.org

Eli Lilly Canada
www.lilly.ca

The Mayday Fund
www.maydayfund.org

The Pain Research Forum
www.painresearchforum.org

The Quebec Pain Research Network
www.qprn.ca

Strategy for Patient-Oriented Research
www.cihr-irsc.gc.ca/e/41204.html
Supporters

NAPS appreciates support by:

The American Pain Society
www.americanpainsociety.org

The Canadian Pain Society
www.canadianpainsociety.ca
North American Pain School

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