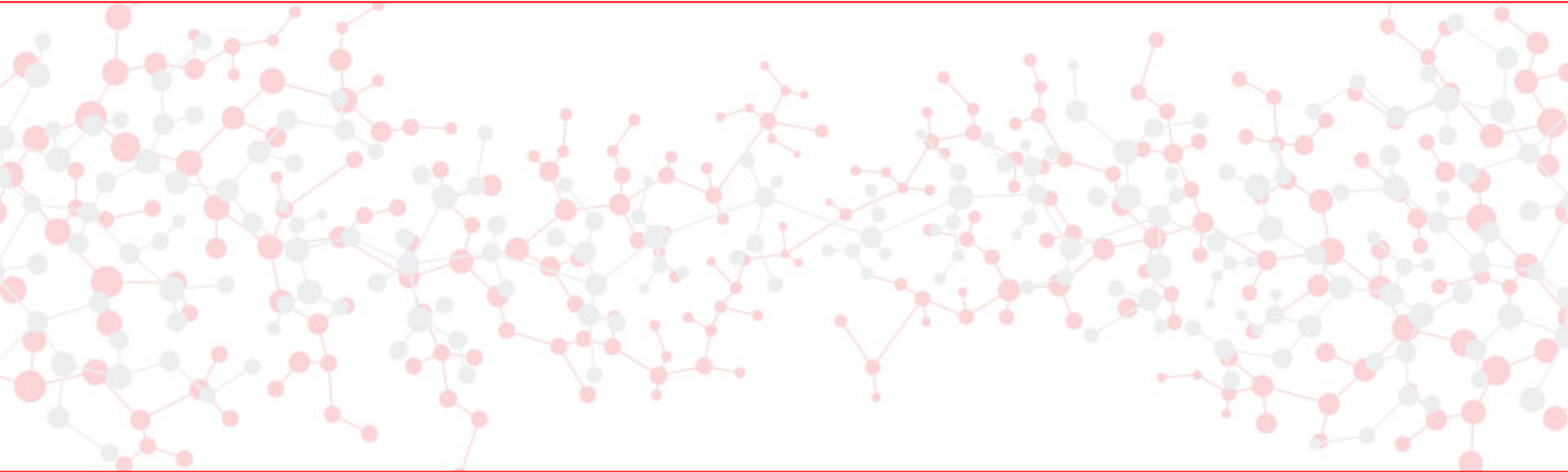




Canadian Anesthesiologists Society

Chronic Pain Network Update



Norm Buckley, BA (Psych), MD, FRCPC

Professor, Department of Anaesthesia, Michael G DeGroote School of Medicine, McMaster University
Scientific Director, Michael G DeGroote Institute for Pain Research and Care, McMaster University

June 17, 2018

National collaboration of patients, researchers, healthcare professionals, educators, industry and government policy advisors to direct new research in chronic pain, to train researchers and clinicians, and to translate research findings into knowledge and policy.

Aims to:

- **Increase access to care for people living with pain**
- **Speed translation of research into care**

Chronic Pain is accepted by CIHR as a chronic disease entity and work on the application to become SPOR Network begins

2009



CIHR announces Strategy for Patient Oriented Research

2015



CPN

CHRONIC PAIN NETWORK

Chronic Pain Network Overview

2016



On March 31, the five SPOR networks in chronic disease are announced

Chronic Pain Network begins distributing funding to projects



2017

Nominated Principal Investigator: Norm Buckley

Host Institution: McMaster University

Principal Applicants:

Norm Buckley

Allen Finley

Alfonso Iorio

Cyril Schneider

Manon Choinière

Garry Salisbury

Margot Latimer

Bonnie Stevens

Karen Davis

Ian Gilron

Joy MacDermid

Jennifer Stinson

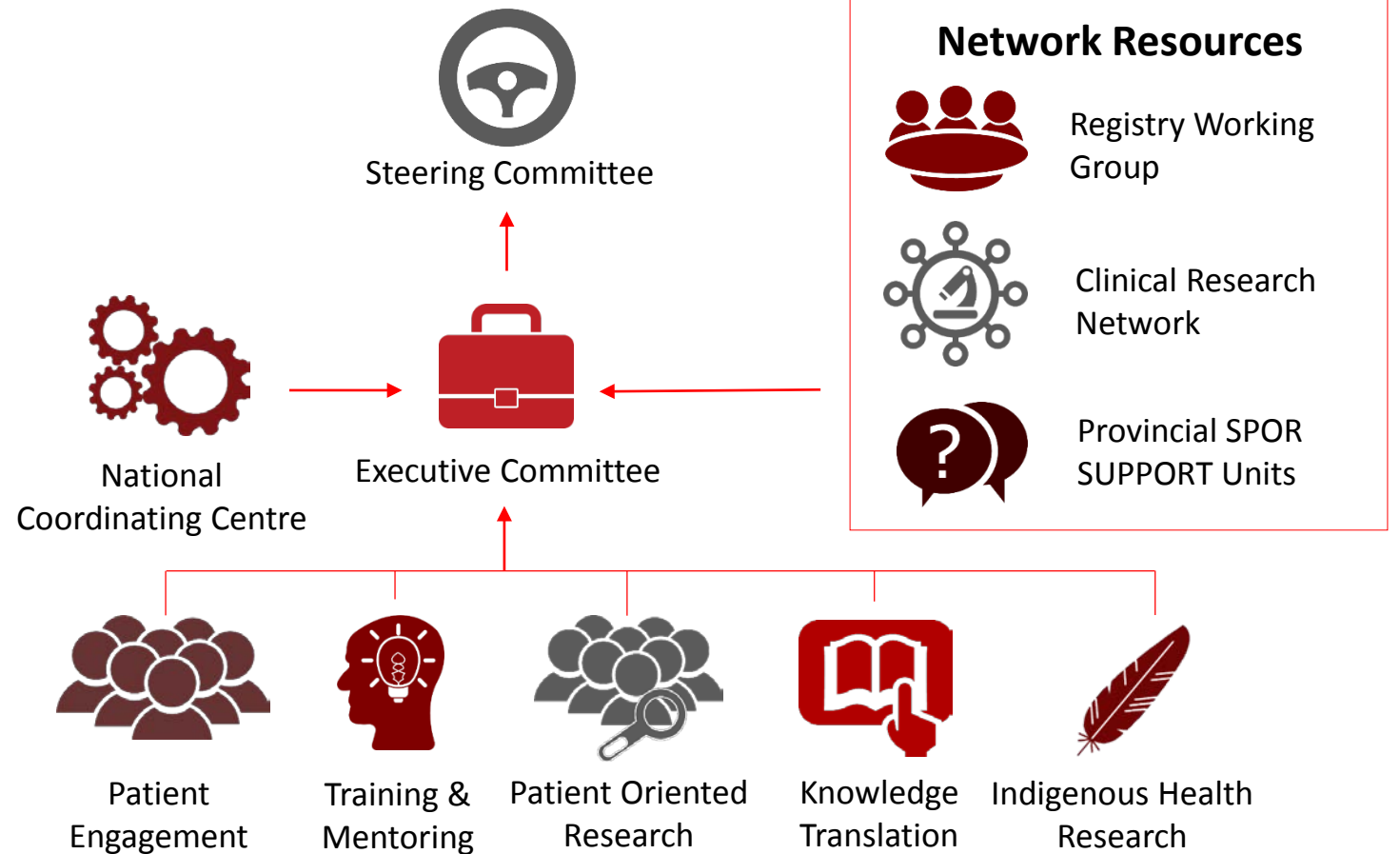
Luda Diatchenko

Maria Hudspith

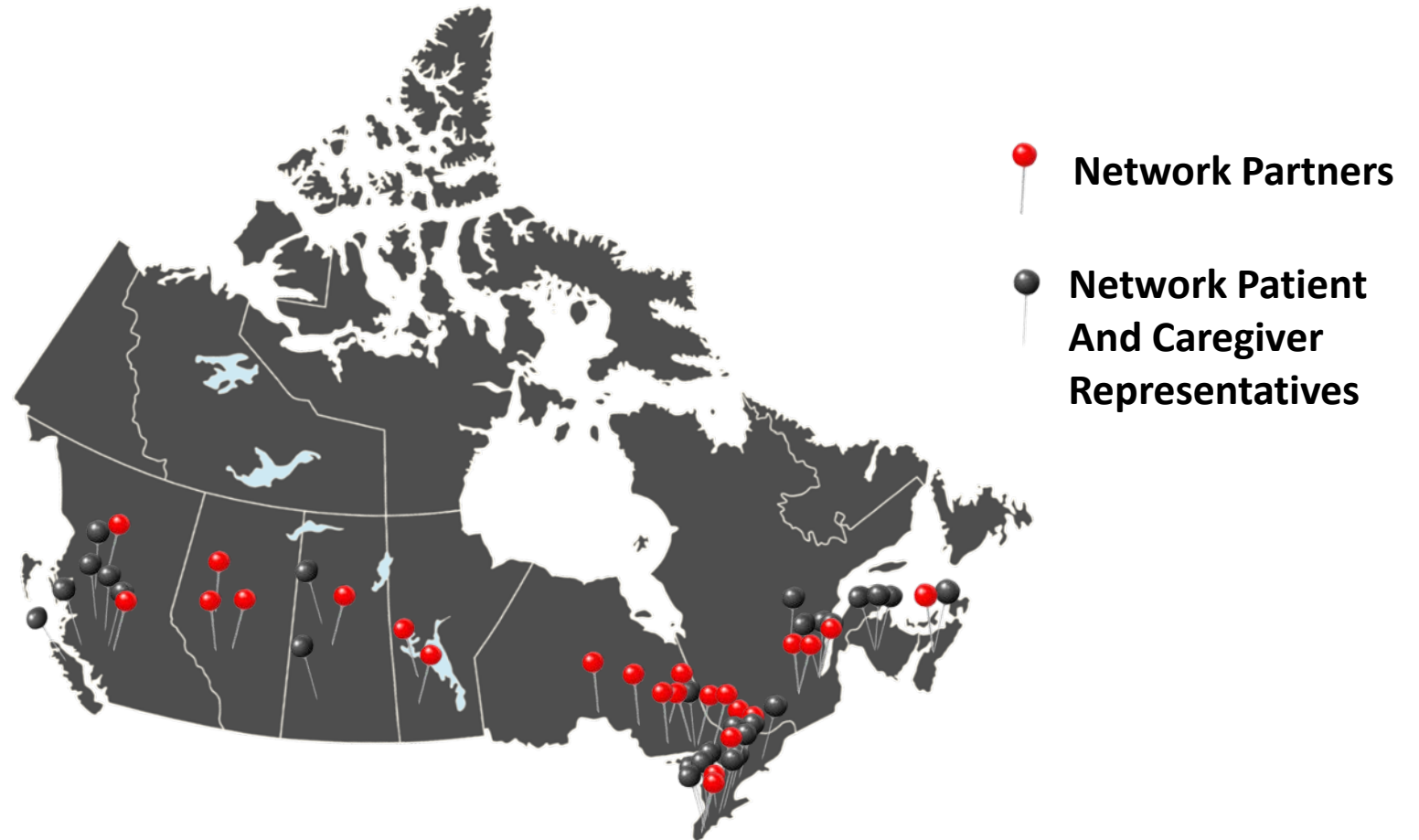
Patricia Poulin

Organizational Structure

Patients are represented at each level. Each committee has at least two patient/caregiver representatives, including a patient partner as committee co-chair.



- The network currently has more than 20 active patient and caregiver representatives across Canada including representatives from the Indigenous/Aboriginal communities
- Patient reps are engaged in the network committees, contributing to the research priorities



A view from ‘the shoulders of’

Previous collaborations (I know I have missed some)

- **Canadian Pain Trials Network**
 - Mary Lynch, PI
- **NePDAT**
 - Dwight Moulin, PI
- **CAHR**
 - Jim Henry, PI (Lavis, Del Dialogues)
- **Previous Network applications**
 - Barry Sessle; Christine Chambers (NCE in Ped Pain)

A view from ‘the shoulders of’

- **2012 National Pain Strategy**
 - Lynch, Clarke et al
- **CCSA ‘First Do No Harm’ strategy on prescription drug misuse**
- **PICH- STIHR initiatives**
 - Stevens, McGrath et al over 10+ years
- **Québec Pain Research Strategy, including the Québec Pain Registry**
 - Choinière, Ware, Beaudet et al
- **Pain BC**

27 Network affiliated projects, including:

CLINICAL TRIALS

- This category includes: pain in seniors, music therapy, back pain, iCanCope, juvenile arthritis, CADENCE and SYMBIOME

9 projects

BASIC SCIENCE

- This category includes: chronic pain after upper extremity fracture (biomarkers), targeted pain for cancer patients and individual phenotypes of chronic pain

8 projects

POPULATION SURVEY

- Including: the role of parent mental health in pediatric chronic pain; nationwide survey of CRPS in children and youth, and cost of pain in institutionalized elderly

6 projects

BEHAVIOURAL SCIENCE

- Aboriginal Children's Hurt & Healing Initiative, and pain assessment as a social transaction

4 projects

Biobank

PI: Luda Diatchenko

Creation of a biobank of biological samples, including DNA, RNA and plasma proteins, obtained from patients in the registries of CPN grant partners. Samples will be used to identify molecular markers of the chronicity of pain conditions and their response to specific treatments.

12 University affiliated Pain Clinics across Canada

University of Alberta

Local PI: Saifee Rashiq

University of Calgary

Local PI: Melanie Noel

Dalhousie University

Local PI: Allen Finley

Hotel Dieu

Kingston General Hospital

Local PI: Scott Duggan

Hamilton Health Sciences

Local PI: Ramesh Zacharias

University of Manitoba

Local PI: Renee El-Gabalawy

Mount Sinai Hospital

Local PI: Keith Jarvi

Ottawa Health Research Institute

Local PI: Patricia Poulin

Sick Kids Hospital

Local PI: Jennifer Stinson

Research Institute of

McGill University Health Centre

Local PI: Yoram Shir

University of British Columbia

Local PI: Aaron McInnes

University of Saskatchewan

Local PI: Krista Baerg

iCanCope

PI: Jennifer Stinson

Development of a smartphone & web-based app to facilitate self management of chronic pain in adolescents as young adults



ICANCOPE
Living well, despite pain

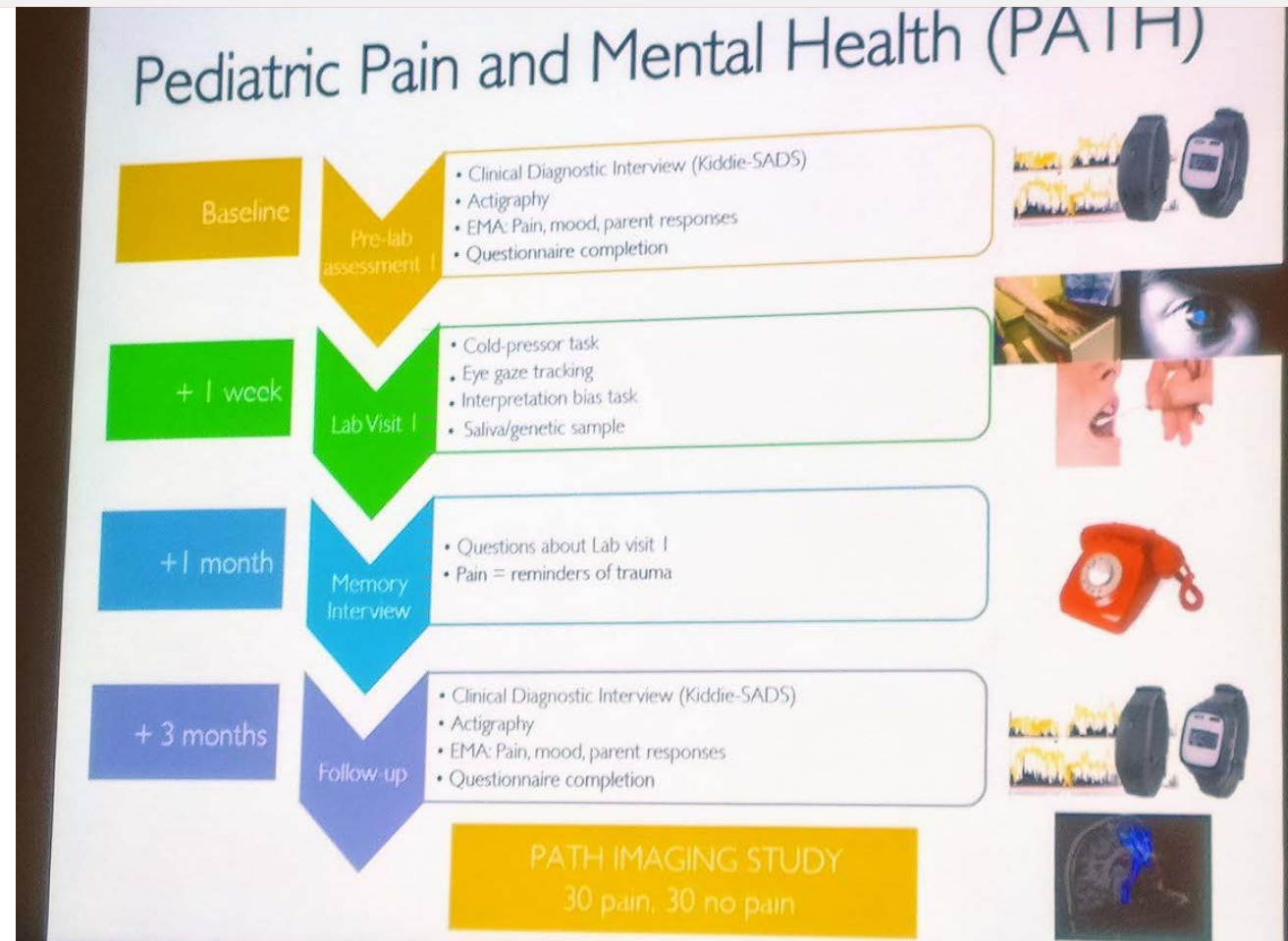
For 15-25 year olds with persistent pain
Symptom Tracking • Smart Goals • Coping Skills Toolbox • Social Community

The banner features three circular icons: a laptop with hands typing, a smartphone held by hands, and a blue cartoon character meditating on a bed.

PATH Study

PI: Melanie Noel

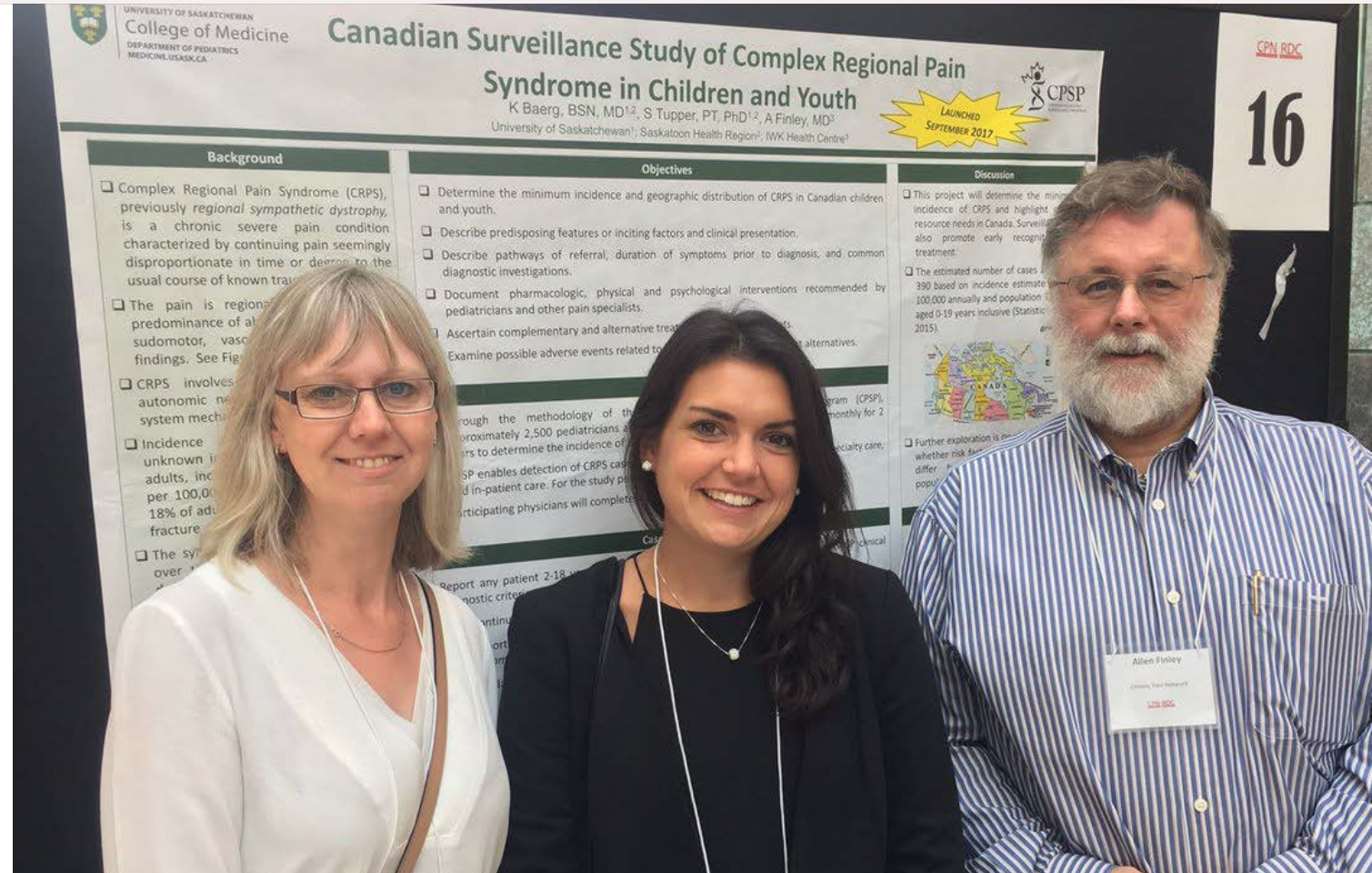
Evaluation of the relationship between PTSD and chronic pain in pediatric patients



CRPS Study

PI: Krista Baerg

Surveillance descriptive study
of complex regional pain
syndrome in pediatric patients



Emerging Studies:

- DataCann
- Methadone Registry



Collaborative peer review process and feasibility assessment for several emerging studies to be conducted through the CRN.

Looking Forward:

- Expansion of current single-site RCTs to include multiple sites of the CRN
- Developing/implementing 'CRN-wide' studies, e.g.:
 - pain and pain treatment registries
 - population genetics studies
 - large scale randomized controlled clinical trials

Looking Forward:

- CPN Registry Working Group
 - Implementation of common dataset
- Development of Canadian Pain Strategy
- Biomarker consensus meeting (fall 2018)

CPN

CHRONIC PAIN NETWORK

Chronic Pain Network Supporting Organizations

Alberta Children's Hospital
Research Institute
University of Alberta, Anesthesiology and
Pain Medicine
Argyle Public Relations
The Arthritis Society
University of British Columbia,
Anesthesiology
University of Calgary
Canadian Anesthesiologists' Society
Canadian Pain Society
Centre de Recherche du CHUS
Centre de Recherche du Centre Hospitalier
de l'Université de Montreal
Children's Hospital Foundation
of Saskatchewan
Dalhousie University,
Department of Anesthesia

Eli Lilly Canada Inc.
GeneYouIn Inc.
Hamilton Health
Sciences Corporation
Health Information Research Unit,
McMaster University
Hospital for Sick Children
Research Institute
Hotel Dieu Chronic Pain Clinic,
Queen's University
The Improving the Lives of Children with
Chronic Pain Charitable Foundation (ILC)
IWK Health Centre
Université Laval,
Faculty of Medicine
University of Manitoba,
Department of Anesthesia
McGill University

McGill University,
Alan Edwards Pain Management Unit
McMaster University Michael G.
DeGrootte Institute for Pain
Research and Care
Université de Montreal,
Department of Anesthesiology
Mount Sinai Hospital,
Wasser Pain Management Centre
Multiple Sclerosis Society
of Canada
The Ottawa Hospital
Research Institute
PainBC
Proove Biosciences Inc.
Purdue Pharma
Quebec Pain Research Network
Queen's University

University of Regina
University of Saskatchewan,
College of Medicine
Saskatchewan Health
Research Foundation
Université de Sherbrooke,
Faculty of Medicine and
Health Sciences
University of Toronto Centre for the Study
of Pain (Including Dentistry, Medicine,
Nursing and Pharmacy)
University of Toronto,
Faculty of Music
Western University,
Department of Physical Therapy
University Health Network
York University

CPN

CHRONIC PAIN NETWORK

Chronic Pain Network Acknowledgements

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acknowledges the support of **CIHR**



CIHR IRSC

Canadian Institutes of Health Research Instituts de recherche
en santé du Canada