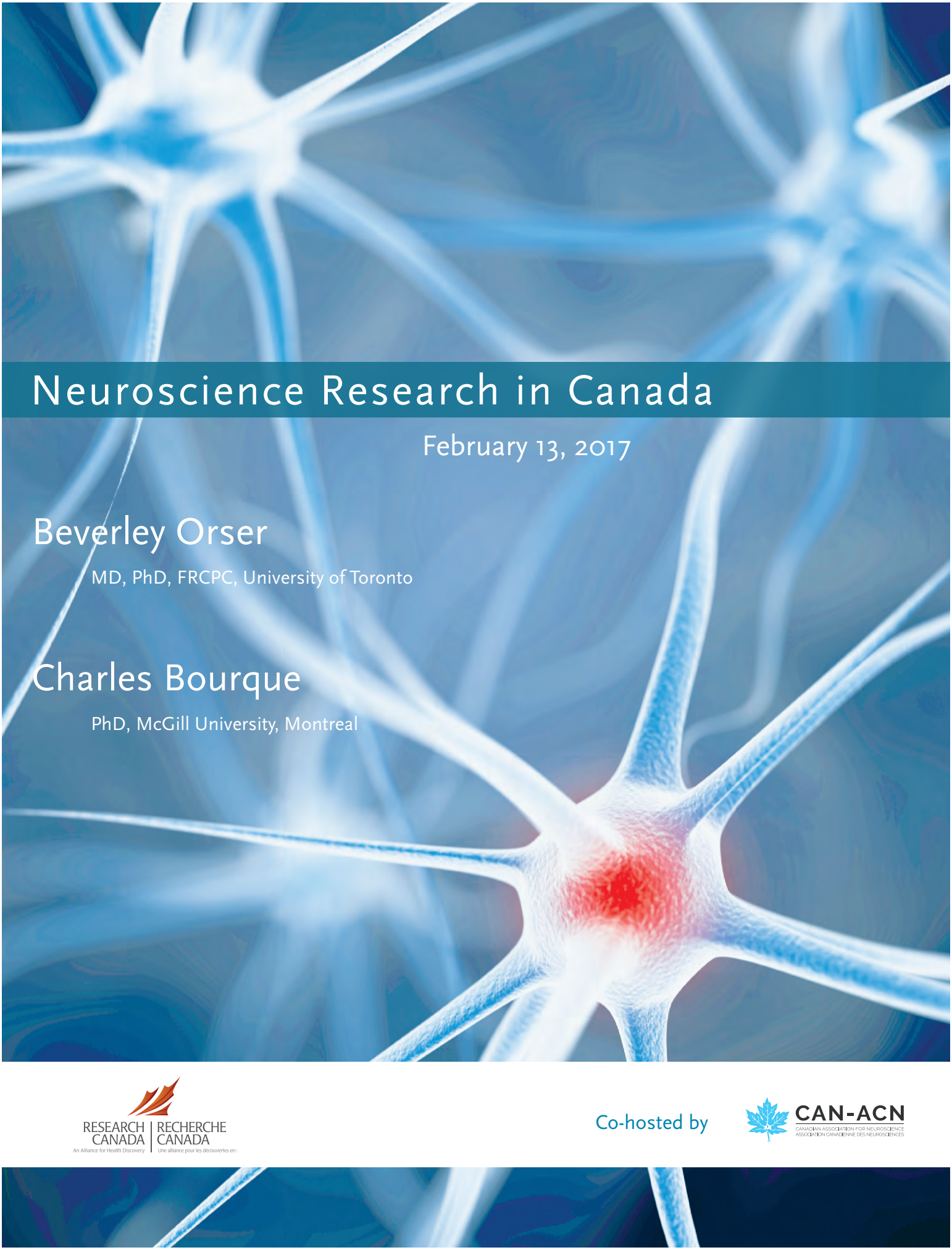

Neuroscience Research in Canada

February 13, 2017

Beverley Orser

MD, PhD, FRCPC, University of Toronto

Charles Bourque

PhD, McGill University, Montreal

RESEARCH CANADA | RECHERCHE CANADA
An Alliance for Health Discovery | Une alliance pour les découvertes en santé

Co-hosted by CAN-ACN
CANADIAN ASSOCIATION FOR NEUROSCIENCE
ASSOCIATION CANADIENNE DES NEUROSCIENCES

Neuroscience research impacts all Canadians. One in three Canadians will be affected by a neurological disorder, injury or psychiatric disease in their lifetime. For the vast majority of the thousands of conditions that can affect the nervous system, no clear causes or cures are known. Health Canada has estimated the economic burden of neurological and psychiatric conditions to represent 14% of the total burden of disease in this country, which is more than cardiovascular disease or cancer. This problem will be more and more prevalent as life expectancy is increasing and the population is ageing.

Speakers

Beverley Orser, MD, PhD, FRCPC
University of Toronto

Dr. Beverley Orser is a clinician-scientist and Professor of Physiology and Anesthesia at the University of Toronto. She is a practicing anesthesiologist and Director of Research, Department of Anesthesia at Sunnybrook Health Science Centre. She will talk about how unveiling the general mechanism by which anaesthetics works can lead to better drug development. She also made very significant contributions to our understanding on how memory is affected by anaesthesia. She has also made significant contributions to our understanding of how memory is affected by anaesthesia. She is a practicing physician who runs a successful basic research laboratory.

Charles Bourque, PhD
McGill University, Montreal

Dr. Bourque is interested in the mechanisms responsible for central detection of circulating sodium, fluid osmolality and core body temperature. His work examines how information detected by thermo- and osmo-sensitive neurons interacts with the brain's central clock to regulate thirst and vasopressin release. Dr. Bourque's work also seeks to define how changes in cellular and synaptic properties affect homeostatic function in response to high salt intake and disease states that affect cardiovascular function and/or fluid homeostasis.

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Sanofi Genzyme is the specialty care global business unit of Sanofi, focused on rare diseases, multiple sclerosis, oncology and immunology. It helps people with debilitating and complex conditions that are often difficult to diagnose and treat. Sanofi Genzyme is dedicated to discovering and advancing new therapies, providing hope to patients and their families around the world.

CAN-ACN
CANADIAN ASSOCIATION FOR NEUROSCIENCE
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The Canadian Association for Neuroscience is a non-profit organization dedicated to the promotion of Neuroscience research in Canada. CAN-ACN is an Association of researchers, students and trainees actively working in Neuroscience research. The Association represents the interests of Canadian neuroscientists at national and international levels.

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Innovative Medicines Canada is the national voice of Canada's innovative pharmaceutical industry. It advocates for policies that enable the discovery, development and commercialization of innovative medicines and vaccines that improve the lives of all Canadians. IMC supports its members' commitment to being valued partners in the Canadian healthcare system.

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