

Dr. Karen Davis

Senior Scientist, Krembil Research Institute (Krembil) at University Health Network

Toronto, ON, CA

Dr. Karen Davis is a professor and head of Division of Brain, Imaging & Behaviour Systems at the Krembil Research Institute (Krembil).

Biography

Karen D. Davis is a Professor in the Department of Surgery and Institute of Medical Science at the University of Toronto, and heads the Division of Brain, Imaging and Behaviour – Systems Neuroscience at the Krembil Research Institute (Krembil). She is also a founding member of the University of Toronto Centre for the Study of Pain and sits on its Executive Committee.

Since 1993, Dr. Davis has pioneered brain imaging for the study of pain. Her lab uses brain imaging to examine mechanisms underlying chronic pain, pain-attention interactions, brain plasticity, concussion, disease vulnerability and recovery.

Dr. Davis has given over 140 invited lectures, published over 125 papers and has been inducted into the Johns Hopkins Society of Scholars. She was the 'pain measurement and imaging' Section Head of the journal Pain for 10 years and a 2013-14 Mayday Pain and Society Fellow. Dr. Davis has a strong interest in research ethics, having created a graduate student oath, and in neuroethics pertaining to brain imaging. She also sits on several boards, including the Scientific Advisory Council of Brain Canada, the Institute Advisory Board of the Canadian Institutes of Health Research, and the Council of the International Association for the Study of Pain.

Her TED-Ed video titled "How does your brain respond to pain?" has hit over 500,000 views.

Industry Expertise

Education/Learning, Health Care - Providers, Research, Writing and Editing

Areas of Expertise

Neuroscience, Neuroimaging, Life Sciences, Behavioural Analysis, Brain

Affiliations

International Association for the Study of Pain : Councilor , Institute of Neuroscience Mental Health and Addiction : Advisory Board, Scientific Advisory Council of Brain Canada : Advisory Board

Event Appearances

Using YouTube Videos as a Means of Widely Disseminating Knowledge About Pain
The Canadian Pain Society 2016 Conference

Brain representations of pain sensitivity: Your Brain is Not My Brain!

Vision Science Graduate Student Conference

Measuring inner space: deep brain stimulation and neural response

Beyond a Yardstick: Northumberland Learning Connection

Education

The Johns Hopkins University School of Medicine

Post Doctoral Fellow, Neuroscience

University of Toronto

PhD Physiology

University of Toronto

MSc Physiology

University of Toronto

BSc Physiology

Accomplishments

Canada Research Chair in Brain and Behaviour, tier II (2000-2010)

Dr. Davis held the position of Research Chair from 2000-2010.

Johns Hopkins University Society of Scholars (2009)

The society inducts former postdoctoral fellows, postdoctoral degree recipients, house staff and junior or visiting faculty who have served at least a year at Johns Hopkins and thereafter gained marked distinction elsewhere in their fields.

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