

PHYSIOLOGY CAREERS

WEDNESDAY JANUARY 20, 2016
Martin Amphitheatre room 504, McIntyre Medical Bldg.

*"Helping Talent Make
the Most of Their
Job Search"*



6:35 PM

WELCOME/OVERVIEW

6:40 PM

KEYNOTE CAREER TALK:
Dr. Kevin Petrecca, MD, PhD, FRCS(C)

7:00 PM

EARLY CAREER PANEL
Q&A

7:45 PM

NETWORKING BREAK
SNACKS & REFRESHMENTS

8:15 PM

CAREER PANEL
Q&A

CLOSING REMARKS

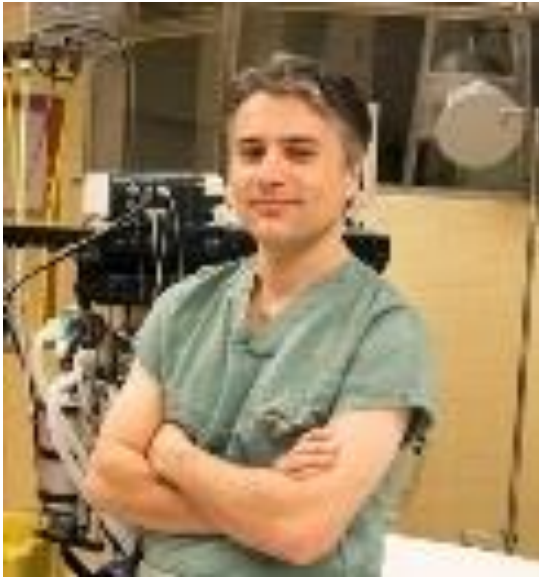
Registration required through myFuture.
Keyword search "Physiology" in the Events section.



Information: claire.brown@mcgill.ca



McGill



Kevin Petrecca

BSc, Honours, McGill Physiology

MD, PhD, FRCS (C)

Associate Professor & Neurosurgeon

Chief, Department of Neurosurgery

Montreal Neurological Institute

Dr. Kevin Petrecca is a neurosurgeon and Assistant Professor of Neurology and Neurosurgery at McGill University who specializes in neurosurgical oncology. His research at the MNI/H Brain Tumour Research Centre focuses on understanding fundamental molecular mechanisms that regulate cell motility with a focus on malignant glial cell invasion. Malignant gliomas are the most common type of primary brain cancer and among the most devastating of human malignancies. They are characterized by rapid cell proliferation and invasion into the surrounding normal brain. Malignant glial cell invasion is the leading cause of tumour recurrence and of treatment failure.

Dr. Petrecca's basic science research aims to identify and characterize fundamental molecular mechanisms that regulate glial cell movement and translate these findings into useful therapeutics. His clinical research program focuses on developing intraoperative tools to improve brain cancer surgery including MRI-co-registered ultrasound and fluorescence-guided surgery.



Taiji Wang

*Research Assistant
BSc, McGill Neuroscience*

Taiji completed an honors program during her bachelor degree by using field recordings to study the propensity for LTP in epileptic mouse brain cortices compared to a normal mouse brain cortex.

She currently works at the Biomedical Ethics Unit where she focuses on quantifying the risks and benefits encountered by trial participants during the clinical development of cancer drugs. She is planning on continuing her education with a Master's in Public Health.



Jessica Rosemary Sudbury

Legal Intern

BSc, University of Toronto Physiology & Psychology

MSc, McGill Neuroscience

PhD, Dr. Charles Bourque, McGill

Jessica completed her Bachelor's degree in physiology and psychology at the University of Toronto from 1999-2004 while swimming for the Varsity team. Following her participation in the 2004 Canadian Olympic Trials, she moved to Montreal to complete her Master's degree in neuroscience at McGill University, in the Montreal Neurological Institute (MNI) in 2007.

In the summer of 2013, Jessica completed her Ph.D. under the supervision of Dr. Charles Bourque at the Montreal General Hospital in the Centre for Research in Neuroscience. After which she began law school at McGill the coming fall.

Jessica currently works as an intern at the World Anti-Doping Agency while completing her last semester in the law program at McGill. Next summer, she will write her Ontario bar examination, then begin her law articling year at an intellectual property law firm in Ottawa.



Mira Katz

Entrepreneur

BSc, McGill Physiology

During her degree in Physiology at McGill, Mira began her career as a science and math tutor for high-school and CEGEP students. She specializes in children with learning disabilities and anxiety disorders and is currently starting up her own company that trains Strategic Tutors to help inspire and motivate students with the "love of learning."

She is also a certified yoga instructor and works with community organizations to provide free yoga classes for youth.



Fanny Dupuy

Business Development Specialist

PhD, Biochemistry

Fanny is a Business Development Specialist for Mitacs and McGill University. She graduated from her Ph.D. in Biochemistry in August 2015 during which she studied the role of metabolism in determining the site of relapse in breast cancer. She has a strong interest in communication and policy and took an active role in various not-for-profit organizations notably Science & Policy Exchange.

Fanny now works at fostering collaborations between industry and academia to support industrial and social innovation in Canada.



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Yael Mamane

*Senior Research Scientist, Vertex Pharmaceuticals
PhD, Microbiology & Immunology
PDF, McGill Biochemistry*

During Yael's early career she worked as a researcher in a number of different areas of study such as Endocrinology at the Royal Victoria Hospital, as well as Microbiology and Immunology at McGill University. Following these research positions, Yael continued to further herself and education through two postdoctoral fellowships. Her first fellowship involved working in Oncology and Virology at the Jewish General Hospital followed by McGill University in Biochemistry.

Yael moved onto work at Merck Frosst for 4 years as Senior Research Biologist during which time she focused on several therapeutic areas: diabetes, obesity, cardiovascular and hepatitis C. She currently works at Vertex Pharmaceuticals on inflammatory bowel diseases and cystic fibrosis. Collectively, Yael has over 10 years of experience in pre-clinical drug discovery.

Her group focuses on new target identification/validation & designing assays for lead identification/optimization. She works in a multidisciplinary team to bring forth new medicines for patients with serious unmet medical needs.



Olivia Novak

Technology Transfer Manager
BSc, McGill Biochemistry
PhD, McGill Biochemistry
PDF, Jerry Pelletier, McGill

Dr. Olivia Novak received her PhD in 2002 from the Faculty of Medicine in the Department of Biochemistry from McGill University. From 2002 to 2004 she simultaneously managed the McGill High Throughput Screening facility and completed a post-doctoral degree in the Chemical Biology department of McGill University.

She then spent six years in the biotechnology industry, where she held various positions focusing on intellectual property and business development. At Genizon Biosciences she held the position of Senior Intellectual Property Manager, where she was responsible for managing and maintaining the company's intellectual property assets and patent portfolio and negotiating and drafting various legal agreements. Prior to that, she was Study Director Endometriosis at Genizon, where she liaised with various clinical collaborators and coordinated clinical data collection to genetic analyses. Earlier she worked at Chronogen, where she was Intellectual Property Coordinator and Senior Scientist.

In March of 2010, she joined McGill's Office of Sponsored Research (now the Office of Innovation & Partnerships) as a Technology Transfer Manager, with the main responsibility of performing the overall assessment, management, and commercialization of intellectual property emerging from the Faculty of Medicine at McGill University and its affiliated research and teaching hospitals.



Geoff Hart

Freelance Science Editor & Author

BSc, MSc Biology University of Toronto

Geoff's primary training is in plant physiology and systems ecology, with a minor in genetics. For nearly 30 years, he has been working as a scientific editor, specializing in authors with English as their second or third language who publish in peer-reviewed international journals. Since that time, he has helped authors publish more than 6,000 monographs and manuscripts in peer-reviewed journals.

Geoff simultaneously worked in technical translation and writing, information design, book design, and a multitude of other miscellaneous areas of expertise. He has also given workshops in many subjects related to scientific or technical communication around the world, including London (England), Bangalore (India), Beijing (China), and the United States (New York).

Geoff was a University of Toronto Fellow, and has been employed by IBM, the Canadian Forest Service, and the Forest Engineering Research Institute of Canada (FERIC). He currently works for the Society for Technical Communications as a freelance science editor and author.



Kevin Petrecca

*BSc, Honours, McGill Physiology
MD, PhD, FRCS (C)*

*Associate Professor & Neurosurgeon
Chief, Department of Neurosurgery
Montreal Neurological Institute*

Kevin is a neurosurgical oncologist-scientist at the Montreal Neurological Institute and Hospital. His lab studies mechanisms of brain cancer development, progression, and recurrence.



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*Technology Transfer Manager
BSc, McGill Biochemistry
PhD, McGill Biochemistry
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Olivia spent six years in the biotechnology industry where she held various positions focusing in intellectual property, licensing and business development. In 2010, she became a Technology Transfer Manager in McGill's Office of Sponsored Research (now the Office of Innovation & Partnerships). Her main responsibilities are to perform the overall assessment, management, and commercialization of intellectual property emerging from the Faculty of Medicine and its affiliated research and teaching hospitals.



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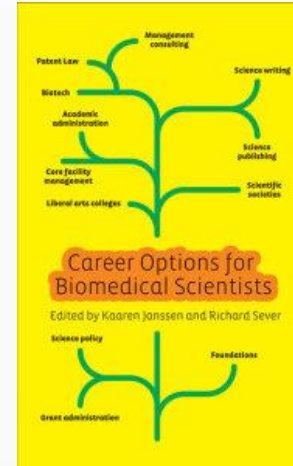
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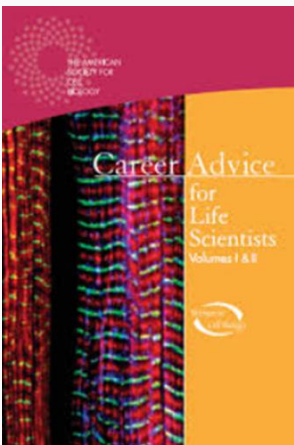
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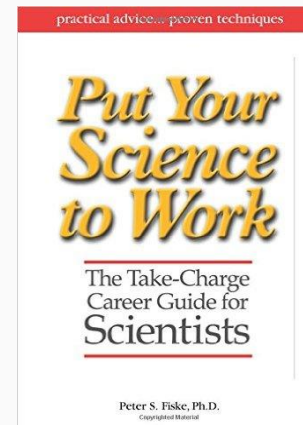
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