



# CRN

Centre de recherche en neurosciences  
Centre for Research in Neuroscience

Dr. Keith Murai  
Director, x43477

Dr. Charles Bourque, x44239  
Dr. Samuel David, x44240  
Dr. Salvatore Carbonetto, x44237  
Dr. David Stellwagen, x42806

Dr. Brian Chen, x42379  
Dr. Jesper Sjöström, x44561  
Dr. Yong Rao, x42520  
Dr. Don van Meyel, x42995



# McGill

Yvonne Gardner  
Administrative Assistant  
Téléphone/Telephone  
514-934-8094

MUHC Tel. No.  
514-934-1934 + ext.  
Télécopieur/FAX  
514-934-8216

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Science Educator Award Committee  
Society for Neuroscience

Dear Selection Committee,

It is with great pleasure that I provide a letter of recommendation for Dr. Cristian Zaelzer-Pérez who has been nominated for the Science Educator Award supported by The Dana Foundation for his outstanding and original work on the science initiative *Convergence: Perception of Neuroscience*. I have known Cristian since 2009 and over the years have been thoroughly impressed with his creativity, skill, and motivation. I believe his nomination for this award is well-deserved considering he is one of those rare, multi-talented individuals that have made a far-reaching impact in both neuroscience research and outreach activities.

I believe a large part of Cristian's success stems from his diverse training history and exposure to various cultures and scientific environments. Cristian was born in Chile and pursued training in graphic design (Temuco, Chile) and an undergraduate degree in Medical Technology at the Universidad de la Frontera de Chile (Temuco, Chile). Following this, he pursued a Ph.D. degree in molecular and cell biology in the Universidad Austral de Chile (Valdivia, Chile) where he performed beautiful work related to the structure and biophysics of TRP and BK channels under the guidance of Dr. Ramon Latorre (Universidad de Valparaiso, Chile). In 2009, Cristian moved to Canada to work with Dr. Charles Bourque at McGill University in the field of brain circuitry and osmoregulation. There he applied advanced neurophysiological approaches to dissect the role of TRPV channels in the detection of body temperature and osmotic stress. Cristian's research is of the highest quality and impact and this is reflected by publications in top-notch journals including Cell Reports, PNAS, Science, and Nature. His research accomplishments have not gone unnoticed, as he has been the recipient of numerous recognitions including a graduate fellowship from the National Council for Scientific and Technological Research and a BrainStar Award given by the Canadian Institutes of Health Research (CIHR).

Along with being an outstanding scientist with a diverse training background, Cristian has shown tremendous passion for neuroscience outreach and public communication. Cristian has developed an extraordinary outreach program called *Convergence, Perceptions of Neuroscience* (**[convergenceinitiative.org](http://convergenceinitiative.org)**). In 2016, Cristian launched the initiative with the support of several major partners including the Brain Repair and Integrative Neuroscience Program at the Research Institute of the McGill University Health Centre (~130 faculty and their research programs), the Concordia University Faculty of Fine Arts, and the Canadian

The Research Institute of the McGill University Health Centre  
Montreal General Hospital, 1650 Cedar Ave., bureau L7 132, Pavillon Livingston  
Montréal (Québec) Canada H3G 1A4  
Site Web/Website [www.mcgill.ca/crn/](http://www.mcgill.ca/crn/)

Association for Neuroscience (>1000 members). *Convergence* is a remarkable transdisciplinary collaboration between scientists and artists and reflects upon the origins of neuroscience where pioneers in the field over 100 years ago applied their artistic abilities to capture and convey discoveries about the brain. Under Cristian's leadership, *Convergence* is serving to unite neuroscientists doing cutting-edge research with talented artists from Concordia University, allowing them to work side-by-side and learn from each other. This initiative provides a novel milieu for artists and scientists to apply their knowledge, creativity, and skill and engage the public. Importantly, *Convergence* is breaking down barriers between disciplines while enabling better communication about the benefits of neuroscience research for society. *Convergence* has led to the formation of a 6-unit course at Concordia University (DCART498-DART631) which Cristian co-teaches with Bettina Forget, an expert in artistic process and education. This course was complemented with >20 major outreach events in the last 3 years alone including laboratory and art studio visits. With this, Cristian has given interviews (i.e. CBC Radio, Le Devoir) and special lectures (Science and You Conference and The Canadian Association for Neuroscience Meeting), and has participated in numerous workshop/teaching engagements. Last year's *Convergence* initiative culminated in a very successful public presentation and a month-long exposé at a downtown art gallery in Montreal (Virtual Voice Gallery). With *Convergence*, Cristian has shown immense creativity and endless energy to build a highly impactful public outreach initiative. Cristian's kind personality and deep dedication has been instrumental in fostering collaborations and building key relationships that have led to the success of *Convergence*. Importantly, *Convergence* is a rapidly growing and evolving initiative that promises to be even more successful in the coming year.

In summary, I have been very fortunate to interact with Cristian in both research and scientific outreach. He is an exceptional colleague that is much more than a scientist. He thinks outside-the-box and is continuously creating new opportunities for scientific outreach. I believe he is truly deserving of the Science Educator Award and I have no doubt that Cristian will continue to make key discoveries in neuroscience research while transforming how the public understands and perceives the role of science in society.

Sincerely,



Keith K. Murai, Ph.D.  
Director | Centre for Research in Neuroscience  
Professor | Department of Neurology and Neurosurgery  
Leader and Senior Scientist | Brain Repair and Integrative Neuroscience Program  
McGill University Health Centre