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**Name of Nominee: \_**Dr. Michael D. Noseworthy

I received a M.Sc. for work in the evaluation of anaesthetic hepatotoxicity using NMR imaging, in vivo 31P-NMR and transmission electron microscopy. My PhD focused on applications of MRI/NMR and electron paramagnetic resonance (EPR) methods to assess free radical induced brain damage. From 1996-1999 I was a postdoctoral fellow in Imaging Physics, Sunnybrook Health Sciences Centre working on the evaluation of tissue microvasculature through development of correlative MRI and energy dispersive X-ray microanalysis (EDXS). More specifically this was work focused on oncological and musculoskeletal imaging. From January 2000 to August 2003 I worked as a MRI physicist for The Hospital for Sick Children and also University Health Network (UHN) and was an Assistant Professor in Medical Biophysics and Medical Imaging, University of Toronto. I was recruited to Hamilton in 2003 to run the new CFI funded Imaging Research Centre (IRC) at St. Joseph’s Healthcare. Following 4 years as a CAWAR Assistant Professor in Radiology and Medical Physics I obtained a tenure track position in Electrical & Computer Engineering where I am currently now a full professor. From 2010 to 2020 I was the Co-Director of the McMaster School of Biomedical Engineering. Since I came to Hamilton I’ve been the Director of Imaging Physics and Engineering at the IRC. More recently I’ve been instrumental in helping found the new Centre for Integrative and Advanced Medical Imaging (CIAMI), a joint initiative between Mohawk, McMaster, St.Joseph’s Healthcare and Hamilton Health Sciences (HHS). I have Special Professional Staff status at St. Joseph’s Healthcare and HHS in both Radiology and Nuclear Medicine, and am the Associate Chair (Research) in the Department of Medical Imaging. I also have associate membership appointments in Kinesiology, Physics and Astronomy (more specifically the Radiation Sciences Graduate Program). I am also a member of ARiEAL (The Centre For Advanced Research In Experimental And Applied Linguistics), MODR (The Centre for Metabolism, Obesity, and Diabetes Research), MIRA (The McMaster Institute for Research in Ageing) and others. Lastly I am part of the team that developed and teaches in our CAMPEP (Commission on Accreditation of Medical Physics Education Programs) accredited Medical Physics graduate program.

I have trained over 80 graduate students and post-docs, published almost 180 peer reviewed journal papers, over 330 conference papers and abstracts, and have given over 160 invited lectures globally. In addition I am an experienced entrepreneur being co-founder and CEO of a successful startup called TBIFinder, Inc. (https://tbifinder.com), a data analytics company focused on the applications of machine learning in localizing and grading brain injury. In my last non-academic role I am well regarded in Canada as someone who does MRI acceptance testing to certify these machines for clinical use.