

Focus on Faculty #95

John Kildea

[John Kildea](#) is a tenure-track assistant professor of Medical Physics and served as interim co-director of the McGill Medical Physics Unit.

John grew up on a small family farm in Co Monaghan in Ireland where his parents and some siblings still live and where he is fortunate to visit once or twice a year. Following BSc studies in

University in Anchorage, Alaska, John undertook PhD studies at University College Dublin. Upon graduating with a PhD in high-energy astrophysics in 2003, John moved to Montreal for s 0/s1-0a

When it comes to user- software applications that are in clinical use at the MUHC and beyond. The most notable of these is the award-winning Opal patient portal that arose out of a unique collaboration with radiation oncologist Dr. Tarek Hijal and patient/professor of Computer Science Prof. Laurie Hendren. In 2020, John formed the Quebec SmartCare Consortium (QSCC) to build on the secure and patient-centered data-sharing technology of Opal. The QSCC is a large consortium consisting of two hospitals (MUHC and CHU Ste-Justine), two universities (McGill and Université de Montréal), and six private companies. With \$10M in funding from the FACS program of the Quebec Ministry of Enterprise and Innovation, the MUHC and Cedars Cancer Foundations, as well as the private partners, the consortium is aiming to demonstrate how Opal can be used to securely exchange data between patients, clinicians and researchers, while helping to foster industrial partnerships and innovation.

When not working on Opal or devising new Medical Physics projects, John can be found relaxing in nice cafes and walking with his partner Alfredo in Montreal or running in all weather with his running club Les Galopins.

The following well-cited public

Kildea, J., Atkins, R.W., Badran, H.M., Blaylock, G., Bond, I.H., Bradbury, S.M., Buckley, J.H., Carter-Lewis, D.A., Celik, O., Chow, Y.C.K. and Cui, W., 2007. The Whipple Observatory 10 m gamma-ray telescope, 1997–2006. *Astroparticle Physics*, 28(2), pp.182-195.

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Kildea, J., Battista, J., Cabral, B., Hendren, L., Herrera, D., Hijal, T. and Joseph, A., 2019. Design and development of a person-centered patient portal using participatory stakeholder co-design. *Journal of medical Internet research*, 21(2), p.e11371.

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