

# Doherty Seminar Series

From Karkar Island to Brisbane: the serpiginous track of hookworm challenge studies.

**Thursday, 3 December 12.00pm – 1.00pm**

The Peter Doherty Institute for Infection & Immunity

**Webinar Link:**

<https://unimelb.zoom.us/j/89167773470?pwd=WE9SZ05JZmlFVE92QzVUYmpCZ3dFdz09>

**Webinar ID:** 891 6777 3470 **Webinar Passcode:** 143806

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**Professor James McCarthy** is Director of the Victorian Infectious Diseases Service at the Royal Melbourne Hospital, and Professor of Medicine at the Doherty Institute. He received his medical degree from the University of Melbourne before undertaking clinical and research training in Australia, the United Kingdom, and in the United States at the University of Maryland and the Laboratory for Parasitic Diseases, National Institutes of Health, Bethesda, MD, before returning to Australia in 1997. His research has focused on the diagnosis and treatment of parasitic

diseases, with a major recent focus on the development and application of clinical trial systems that entail deliberate infection of human volunteers with malaria and other pathogenic organisms. This has enabled study of the host-pathogen interaction, development of diagnostic biomarkers and the evaluation of investigational drugs and vaccines.

**Outline:** Although human hookworm infection is no longer endemic in Australia it remains a global health problem, with no new tools for eradication nearing deployment. In this talk the potential of induced hookworm infection as a possible treatment for autoimmune disease, and the potential for radiation-attenuated larval infection to induce protective immunity will be described.



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