

Dowling, James

Dr. Jim Dowling is a clinician-scientist focused on gene discovery and therapy development for childhood muscle diseases. He is a staff clinician and senior scientist at the Hospital for Sick Children as well as the Mogford Campbell family chair in paediatric neurosciences, and an Associate Professor of Paediatrics and Molecular Genetics at the University of Toronto.

Dr. Dowling received his BSc and MSc from Yale University and his MD/PhD from the University of Chicago. His PhD work was performed in the laboratory of Elaine Fuchs. He did his residency in child neurology at Children's Hospital of Philadelphia and completed postdoctoral research with Jeff Golden (UPenn) and Eva Feldman (University of Michigan). Before coming to Toronto in 2013, he was an assistant professor at the University of Michigan.

Dr. Dowling's clinical expertise is in childhood neuromuscular disorders and he is considered one of the leading authorities on the diagnosis and management of congenital myopathies. His research examines questions of disease pathogenesis and therapy development for congenital myopathies and childhood muscular dystrophies, and his laboratory has helped pioneer the use of the zebrafish as a model for these disorders. He has authored or co-authored more than 80 peer reviewed manuscripts and been fortunate to enjoy funding from several sources, including CIHR, NIH, MDA, and Genome Canada.