



Melissa MacPherson

Dr. Melissa MacPherson is a medical geneticist with a strong and diverse background in the basic sciences. She currently practices prenatal and general genetics in Edmonton, Alberta at the Stollery Children's Hospital. She completed her medical genetics residency training at the University of Calgary and attended medical school at the University of Western Ontario. Prior to medical school she completed a BSc in molecular biology from McMaster University and a PhD in molecular genetics from the University of Toronto. Her current research interests are in the fields of rare disease and precision medicine. She is interested in characterizing new genetic syndromes that affect pediatric patients and the developing fetus. Her interests lie in delineating the phenotype of these new syndromes and in working in collaboration with basic science researchers to understand the molecular mechanisms underlying these new conditions. This approach not only informs us regarding basic developmental pathways but also helps to identify potential therapeutic targets for clinical trials.