

Dr Paldeep Atwal Biography

Dr. Atwal is a board-certified clinical and medical biochemical geneticist, formerly of Mayo Clinic in Florida where he served as Medical Director for the Center for Individualized Medicine and Clinical Lead for the Department of Clinical Genomics on the Jacksonville campus. He is a fellow of both The American College of Medical Genetics & Genomics and The Royal Colleges of Physicians of the United Kingdom.

He received his medical degree from the University of Glasgow, Scotland, and initially trained in hospital internal medicine with The Royal College of Physicians at Glasgow Royal Infirmary and various other hospitals around the Glasgow area.

He completed his medical genetics residency at Stanford University Medical Center in Palo Alto, CA and sub-specialty medical biochemical genetics fellowship at Baylor College of Medicine in Houston, TX . In addition he holds diplomas in Structural Molecular Biology and Forensic Medical Science.

He has a long standing interest in rare and undiagnosed disease including the use of multiple concurrent –omics platforms to provide a diagnosis to patients. He conducts translational, (from patient to laboratory to patient) research with the goal of discovering new genetic syndromes and designing new therapies for genetic disease.

Dr. Atwal's clinical interests include clinical genomics, undiagnosed diseases following lengthy diagnostic odysseys and inborn errors of metabolism including mitochondrial diseases. Through his work, he has helped discover two new genetic connective tissue syndromes that results from defects in the FLNA & AEBP1 genes, helped develop an untargeted metabolomic screening test for inborn errors of metabolism, and has published extensively on human genetics with around 50 publications to date.

Dr. Atwal's awards include the 2014-2015 ACMG Foundation/Genzyme Fellowship in Biochemical Genetics Award and The Neurobiology of Disease in Children Young Investigator Award.

In his spare time he enjoys spending time with his family, playing electric guitar, and exploring the health benefits of single malt Scottish Whiskey.