

Gheona Altarescu obtained her *magna cum laude* diploma in Medicine at the Jassy University of Medicine and Pharmacy, Romania. She performed her training in medical genetics at the National Institutes of Health, Bethesda, USA during the years 1997 to 2000 under the supervision of Dr. Roscoe Brady. Upon returning to Israel she established the Preimplantation Genetic Diagnosis Clinic and Lysosomal diseases Clinic at the Shaare Zedek Medical Center in Jerusalem. The clinic is the largest of its kind in Israel and performed preimplantation genetic diagnosis for more than 1000 different genetic disorders resulting in the birth of 1300 healthy children since the year 2005. Since the developments in the field of noninvasive prenatal testing her lab is developing new techniques for very early non invasive prenatal testing for monogenic disorders. Gheona Altarescu has published almost 100 peer reviewed papers in the field of lysosomal diseases and preimplantation genetic diagnosis and is currently Associate Professor of Genetics at Hebrew University Hadassah Medical School ,Jerusalem and the Director of the Preimplantation Genetic Unit and Lysosomal diseases Clinic at Shaare Zedek Medical Center, Jerusalem.