

Brief Curriculum Vitae of Francesca Romana Grati, MSc, CLG, Ph.D.

Chief Genomics Officer (CGO) at Menarini Biomarkers Singapore Pte Ltd

Dr. Francesca Romana Grati is a Biologist (University of Milan), Clinical Laboratory Geneticist (University of Pavia) with a master's degree in Human Pathology and Heredity (University of Pavia).

She is also contract professor at the Medical Genetics Speciality School (University of Milan), Chair of the Technologies in Reproductive Screening and Diagnosis SIG at the International Society for Prenatal Diagnosis and therapy (ISPD) and member of the editorial board of Prenatal Diagnosis journal.



After 10 years at the University of Milan as research scientist, in 2005 she moved to TOMA Advanced Biomedical Assays, S.p.A. (Busto Arsizio, Italy) with the role of R&D Director under the guidance of Prof. Giuseppe Simoni, the pioneer of chorionic villi cytogenetic analysis. In 2019 she was appointed as Chief Scientific Officer at TOMA lab until 2022 when she moved to Menarini Biomarkers Singapore Pte Ltd.

In 2018-2021 she was Chair of the Cytogenetics and cytogenomics working group at Italian Society of Human Genetics (SIGU) and in 2018-2020 she was member of the Board of Directors at the International Society of Prenatal Diagnosis and therapy (ISPD). In 2011 she was a member of the European Joint Research Community (JRC) on a project for the European harmonization for NIPT technologies.

Francesca Romana's special interests are in prenatal diagnosis and fetal genetics. Her research is mainly focused in reproductive genetics, in particular in understanding the epidemiology of chromosome abnormalities in prenatal population, genetics and epigenetics of placenta, feto-placental mosaicisms and their impact on pre-implantation genetic screening, prenatal diagnosis, and non-invasive prenatal testing. She is also committed to the evaluation of new clinical technologies, their setup and validation and to the implementation of clinical laboratory guidelines in practice as she believes that the education on Quality in the laboratories could reduce inequalities in care across the NHS.

She has published several articles in peer-reviewed journals. She is an invited speaker at national and international scientific meetings, and she also serves as a regular reviewer for numerous international journals, including JAMA, Prenatal Diagnosis, Ultrasound in Obstetrics and Gynecology.