

Dr Giovanni Tonon's short biography

Giovanni Tonon is full professor, Director of the Center for Omics Sciences, and of the Functional Genomics of Cancer Unit at the University Vita-Salute San Raffaele, in Milan, Italy.

After a long stay in the United States, first at the National Cancer Institute, NIH in Bethesda, MD and then as an Instructor in Medicine at the Dana Farber Cancer Institute, Harvard Medical School, Boston, MA, he has joined the San Raffaele Scientific Institute, where he leads the lab of Functional Genomics of Cancer. Since 2016, he is also the Director of the Center for Omics Sciences and from 2022 Full Professor at the Vita-Salute San Raffaele University.

He has a long-standing interest in the identification of genes and pathways associated with diseases, in particular cancer, through genomic and bioinformatic approaches. He has contributed to the development of novel single cell and bioinformatic approaches to integrate various omics datasets. Since moving to San Raffaele, he has intensified its efforts in the exploitation of genomics and bioinformatic datasets towards the identification of genes and pathways associated with diseases, and their potential use as druggable targets. He is co-inventor in 7 Italian, US and International patents, issued or pending.

Beside his scientific interests, he also co-coordinates the WG9 of the EU 1+Million Genome initiative, he coordinates the bioinformatics activities of the Italian network Alliance against Cancer (ACC), he co-leads Clinical Informatics group in DigiCore and he is in the executive committee of the Health Big Data initiative of the Italian government.