Name: Enrico Millo
Born date: 05/25/1968 in Genoa (ITALY)

Education and training
Graduated in "Pharmaceutical Chemistry and Technology" at the University of Genova (Italy) in 1993 and in "Pharmacy" at the same University in 1994.
PhD in " Cellular and molecular biotechnologies applied to the biomedical field" at the University of Brescia (Italy) in 2002. Thesis title:"Synthesis and characterization of oligonucleotides analogs (PNA) to control the expression of cyclooxygenase 2"
Present Position: Associate Professor of Biochemistry, University of Genova, School of Medicine (Permanent Position).

Employment and research experience
1991-1994: Student at the School of Pharmacy, University of Genova.
1995-2002 : Research Fellow at the School of Medicine, Dept of Experimental Medicine -Biochemistry Section, University of Genova.
2002-2005: Institute G. Gaslini (Genova, Italy): Postdoctoral Researcher
2006-2017: Assistant Professor of Biochemistry, Department of Experimental Medicine -Biochemistry Section, University of Genova.
2017-present: Associate Professor of Biochemistry, Department of Experimental Medicine -Biochemistry Section, University of Genova.
2009-2020 Affiliation to Center of Excellence for Biomedical Research, University of Genova.

Scientific expertise:

E. Millo has experience in the chemical synthesis and characterization of organic and biological molecules.
In particular has expertise both the solid and liquid phase synthesis of molecules with potential pharmacological activities including peptides, peptide nucleic acids, peptidomimetics, conventional and modified oligonucleotides, hormone-like molecules and others derivatives.
Research areas include biochemical studies applied to: 1) design, synthesis and characterization of peptide nucleic acids with antisense and antigene activities. 2) design and chemical synthesis of conventional and retro-inverse peptides as pharmacological drugs in disease involving misregulation of gene-expression, autoimmune diseases and immunological studies. 3) synthesis of hormone-like molecules with potential pharmacological activities. 4) design and synthesis of drug-like small molecules (thiazole derivatives) for the pharmacological correction of the cystic fibrosis chloride transport defect. 5) design and synthesis of creatine-derived compounds for the therapy of creatine transporter deficiency. 6) design and synthesis of sirtuin modulators.

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