

CURRICULUM VITAE

of prof. Daniela Montesarchio



Current Position: Associate Professor in Organic Chemistry, Department of Chemical Sciences, University of Napoli Federico II.

Place and date of birth: Napoli (Italy), January 27th, 1965.

Degree: Chemistry, 110/110 *cum laude*, University of Napoli Federico II, July 14th, 1989, discussing the thesis: “*Solid phase synthesis of cyclic oligonucleotides*”, supervisor Prof. Ciro Santacroce.

PhD: Chemical Sciences, thesis defended on Sept. 1993, entitled: “*Chemical synthesis of modified oligonucleotides and nucleoside analogues*”, supervisor Prof. Ciro Santacroce.

Academic career:

October 1994: Appointed **Assistant Professor** in Organic Chemistry at University of Napoli Federico II.

From October 1994 to August 1995, she spent a research period as Visiting Professor in the laboratories of Prof. George Just, McGill University, Montréal, Canada.

From October 2003- today: **Associate Professor** in Organic Chemistry at University of Napoli Federico II.

Scientific interests:

- 1) Chemical synthesis, characterization and applications of modified oligonucleotides and of novel modified nucleosides with potential antiviral, antitumour or anticoagulant activity.
- 2) Chemical synthesis of glycoconjugates as drug carriers and prodrugs for *in vivo* applications.
- 3) Chemical synthesis and characterization of peptido- and glycomimetics;
- 4) Chemical synthesis and characterization of nucleolipid-based ruthenium complexes as potential anticancer agents.
- 5) Studies on the interactions of potential drugs with nucleic acids.

She has been supervisor of several master theses in Chemistry and in Biology, as well as of PhD theses in Organic Chemistry at University of Napoli Federico II.

She is co-author of 104 scientific articles, published in international, peer-reviewed journals, 5 reviews, 3 book chapters as well as of more than 100 poster and oral communications presented at international symposiums and conferences.

She is one of the co-founders of *Women in Science in Naples*, an association born in 2007 from the initiative of a group of researchers in Federico II University, SUN (Seconda Università di Napoli), INFN and CNR, aimed at promoting equal opportunities in scientific research and academia.