Curriculum Vitae, Mauro Freccero			
Current Position: Full Professor in Organic Chemistry.			
P.I. of an Organic Synthesis Unit at Pavia University, Italy, since 2002.			
Head of the Ph.D. School in Chemical and Pharmaceutical Sciences at Pavia			
University, since 2013.			
Professional career			
4-2016 : present.	Professor at Pavia University		
10-2008; 2-2017.	Adjunct Professor at Vita-Salute San Raffaele University		
10-2002; 3-2016.	Associate Professor at Pavia University.		
9-1996; 9-2002.	Assistant Professor at Pavia University.		
1-1996; 9-1996.	Post-doctorate at the Dept. of Organic Chemistry, Pavia Un	Post-doctorate at the Dept. of Organic Chemistry, Pavia University	
8-1994; 12-1995.	Post-doctorate at the Dept. of Chemistry, Dublin City University (DCU), Dublin (Ireland).		
Beginning of 1994.	R&D Chemist, at ACS Dobfar S.p.A., fine chemicals, MI (Ital)	/).	
3-1993; 10-1993.	Visiting Scientist, Dep. of Chemistry & Biochemistry, University of Maryland USA.		
1990-1993.	Ph.D in Chemistry, at the Dept. of Chemistry, Pavia Univers	ity.	
1990.	Degree in Chemistry (110/110 cum laude) at the University	of Pavia.	
Publications and citation statistics. Prof. Freccero authored 114 publications, 108 in peer			
review international journals, 4 book chapters and 2 international patents [H-index 35,			
citations 3502, <a href="https://scholar.google.it/citations?user=hlzA26cAAAAJ&amp;hl=it&amp;oi=ao">https://scholar.google.it/citations?user=hlzA26cAAAAJ&amp;hl=it&amp;oi=ao</a> ;			
H-index 33, citations 2920 (Web of Science); H-index 32, citations 3072 (Scopus)].			
<b>Research interests.</b> Freccero's research interest is focused on organic synthesis and binding			
properties of selective ligands, targeting G-quadruplex in human telomeres and oncogene			
promoters for theranostic applications (i.e.: targeted anticancer therapy, and fluorescence			
emission diagnostic). Currently, he is developing selective ligands targeting G-quadruplex in			
the HIV-1 genome as conceptually new antiviral drugs. In parallel, he is developing effective			
transient and activatable reactants (quinone metide and reactive oxygen species (ROS))			
Largeling DNA secondary structures.			
1) 2007-2009 Project: AIRC IG2007-5049: "Novel irreversible protein kingse inhibitors			
<u>1) 2007-2009. Project. AIRC 102007-3049.</u> Novel inteversible protein kindse minibitors			
unit (Funding: 20 $K_{\pm}$ )			
2) 2009-2015 Project: FIRB-IDFA RBID082ATK 003. "New drug for anticancer targeted			
<u><i>Li 2007 2013</i></u> : Hoject: Hitb ibLA (Bibbob2AIK_005) New drug for untreducer targeted therapy" Unit coordinator: (Funding: $\notin 480$ K£)			
2011-2013 Project: PRIN 2009MFRK78 "Selective Molecular Devices Targeting "G-			
Quadruplexes" P. L. and National Coordinator (Total funding $\notin$ 250.6 K $\notin$ : Funding to the PV			
unit: 88.4 K€).			
3) 2013-2016. Project: AIRC IG2013-14708: "Photoactive molecules targeting telomeric G-			
auadruplex as multimodal agents in anticancer therapy" Project P.I. (Funding $\notin$ 265 K $\notin$ ).			
4) 2014-2019. Project within the 9 FRAMEWORK PROGRAMME, HIV LTR G-4 (Consolidator			
Grant, no: 615879): "G-guadruplexes in the HIV-1 genome: novel targets for the development			
of selective antiviral drugs". Second beneficiary of a "Two-beneficiary contract". (PV			
Funding: 659.6 K€).			
Teaching experiences. Organic Chemistry III and Laboratory for chemists (an advanced			
course, since 2001). Organic Chemistry for Biotecnology (since 2001), both at Pavia University.			
Organic Chemistry for Biotecnology, and Chemistry for the International MD Program (ih			
English) at UniSR (l	Jniversità Vita-Salute San Raffaele), Milan, Italy, from 2008 t	o 2016.	
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