

IVANO BERTINI – CURRICULUM VITAE

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Ivano Bertini was born in 1940 in Pisa, Italy, obtained the Italian degree of Doctor in Chemistry at the University of Florence in 1964 and then the Libera Docenza in 1969. He became full professor in General and Inorganic Chemistry in 1975 at the University of Florence where he is now. He received the Laurea Honoris Causa from the University of Stockholm in 1998, Ioannina in 2002 and Siena in 2003. Member of the Academia Europaea and of the Italian Accademia dei Lincei, he is or has been in the editorial staff or advisory board of about 20 among the most authoritative journals in chemistry, biochemistry and inorganic chemistry.

After the first studies on theoretical/physical inorganic chemistry, since 1975 he studied the structure-function relationship of metalloproteins through biophysical methods. Since 1990, he transformed his lab in an NMR lab for structural biology for metalloproteins, and eventually he pioneered the exploitation of genome data banks. He pursued the advancements of the technology for solution structure determination, particularly for paramagnetic metalloproteins, and developed specific software. He studied electron and nuclear relaxation from both experimental and theoretical points of view. He also established a molecular biology department for high throughput protein expression for structural genomics projects on metalloproteins. Finally, he started browsing genomes for pharmaceutical targets. He has published more than 650 research articles and has solved more than 150 structures of proteins.

In 1999 he founded CERM - Center of Magnetic Resonance of the University of Florence hosting an impressive battery of NMR spectrometers. The Center constitutes a major NMR infrastructure in life sciences and it is an Infrastructure of the European and Italian roadmaps (INSTRUCT - www.structuralbiology.eu). Flanking institutions and spin off laboratories have flourished around CERM in the fields of biotechnology and drug discovery thanks to his inspiring action.

During his career Prof. Bertini has been involved in several research projects in collaboration with major national and international research centers and universities, such as: University of Frankfurt, University of Utrecht, University of Oxford, CNRS in Lyon, and more. Current European projects includes Bio-NMR (www.bio-nmr.net/) WeNMR (www.wenmr.eu), East-NMR (I3; http://www.east-nmr.eu/).

A more complete list of present and past projects is available at: www.cerm.unifi.it/about-cerm/eu-projects

Selected Recent publications

Bertini et al. **Proc.Natl.Acad.Sci.USA** 108: 10396-10399, 2011

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Bertini et al., **Angew.Chem.Int.Ed.**, 50, 1-4, 2011

Banci et al., **Nature** 465: 645-648, 2010

Bertini et al., **Coord.Chem.Rev.** 254: 506-524, 2010.

Turano et al. **Proc.Natl.Acad.Sci.USA** 107: 545-550, 2010

Madl et al., **J.Am.Chem.Soc.** 132: 7285-7287, 2010

Mori et al., **J.Am.Chem.Soc.** 132: 3594-3600, 2010

Rosato et al., **Nat.Methods**, 6, 625-626, 2009.

Andreini et al., **Acc.Chem.Res.**, 2009

Banci et al., **Nat.Struct.Mol.Biol.**, 16, 198-206, 2009

Banci et al., **Proc.Natl.Acad.Sci.USA**, 106, 6980-6985, 2009

Sideris et al., **J.Cell Biol.**, 187, 1007-1022, 2009.