

Name: Prof. FABIO ARNESANO

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COURSES:

- i) Models of Chemical Systems (Master Degree in Chemical Sciences),
- ii) General Chemistry and Stoichiometry (1st Level Degree in Biotechnology)

RESEARCH ACTIVITY:

Areas of scientific interest: i) NMR spectroscopy and biophysical characterization of proteins and protein complexes involved in electron transfer and metal-trafficking processes; ii) interaction of inorganic compounds (metal-based drugs and nanoparticles) with biological systems; iii) metal ions in cancer and neurodegenerative diseases.

Author of four book chapters and >70 papers in refereed international scientific journals (# of citations = 2450, h-index = 28; Scopus, November 2017).

Author of 30 protein structures deposited in Protein Data Bank (www.rcsb.org).

INTERNATIONAL ACTIVITIES:

Collaborations: Prof. Viktor Brabec (*Academy of Sciences of the Czech Republic, Brno*), Yangzhong Liu (*University of Science and Technology of China, Hefei*), Paolo Carloni (*German Research School for Simulation Sciences, Jülich, Germany*), Prof. Patrick Farmer (*Baylor University, Waco, Texas*).

External Reviewer for *Czech Science Foundation* and *Swiss National Science Foundation*.

Recent invited lectures at international conferences: i) Research workshop of the *Israel Science Foundation "Metals in Medicine"*, Jerusalem (Israel), 6-8/9/2015; *CECAM workshop, Scuola Normale Superiore, Pisa*, 23-25/5/2016; *Gordon Research Conference "Metals in Medicine"*, Andover (New Hampshire, US), 26/6-1/7/2016; International Conference "Multiscale simulations in complex biomolecular systems", Hanoi (Vietnam), 10-12/4/2017.

European projects:

Member of the Management Committee of European Cooperation in Science and Technology (COST) Action CM0902 "*Molecular machineries for ion translocation across biomembranes*".

Member of INSTRUCT "*An Integrated Structural Biology Infrastructure for Europe*" (www.structuralbiology.eu).

Erasmus programme:

University of Cardiff (Prof. Angela Casini), agreement in process of being signed.

ADDITIONAL INFORMATION

1997 Master degree in Chemistry (summa cum laude), University of Florence.

2000 PhD in Chemical Sciences, University of Florence.

2001-2004 Post-doctoral Fellowship, Magnetic Resonance Center (CERM), University of Florence.

2005 Researcher of General and Inorganic Chemistry (CHIM/03), Department of Pharmaceutical Chemistry, University of Bari.

2008 *European Young Chemist Award* Gold Medal, European Association for Chemical and Molecular Sciences.

2013 Associate Professor of General and Inorganic Chemistry (CHIM/03), Department of Chemistry, University of Bari.

2011-2016 Elected Board member of the Italian Discussion Group on Magnetic Resonance.

2016- Board member of the interuniversity Consortium for research in the chemistry of metal ions in biological systems.