

Stefano Iotti (Bologna, Italy)



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DEPARTMENT OF PHARMACY AND BIOTECHNOLOGY

Biographical Sketch

Prof. Stefano Iotti, currently works at Department of Pharmacy and Biotechnology of the University of Bologna coordinating the research group of Molecular Imaging, Biosensors and Cell Biology. He has contributed to the development of *in vivo* NMR spectroscopy in basic research and in diagnostic applications. His scientific activity ranged from organic and physical chemistry to biochemical thermodynamics. He contributed to the development of a novel approach to simplify the treatment of the thermodynamics of complex systems. At present the research activity is devoted to the study of magnesium homeostasis in cell culture combining synchrotron X-ray fluorescence and the use of a novel class of fluorescent chemo-sensors. Contact: stefano.iotti@unibo.it

In his speech, he will talk about the involvement of magnesium in the fundamental biochemical processes of cell life and how different approaches and techniques for detecting and quantifying magnesium in cells allows to unveil new aspects on its metabolic role.