

Marco Cobianchi



Contact

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Education

- 2014–Now **PhD student** University of Pavia, Italy
Study of effects of superparamagnetic nanoparticles size on relaxometric and hyperthermic efficiencies
- 2012–2014 **M.Sc. in Medical Physics** University of Pavia, Italy
Dynamic Nuclear Polarization in amorphous sugar
Supervisor:Prof. P. Carretta
- 2008–2012 **Master in Physics** University of Pavia, Italy
Multi-scale Analysis of Bystander Effect Inducts by Ionizing Radiation
Supervisor:Prof. A. Ottolenghi

Experience

Laboratory

- 2014–Now **Hyperthermic Setup** Milan, Italy
Use of equipment for hyperthermic analysis including: magneTherm machine and optical fibre to obtain the heat release in solution.
- 2014–Now **Fast Field Cycling System** Milan, Italy
Use of the FFC technique to study the relaxivity curves of contrast agent at low frequencies.
- 2014 **Superconductor Magnet** Pavia, Italy
Experience gained during the Master thesis to evaluate the polarization enhancement in doped sugar irradiated with microwaves.

Schools

- Apr.11-15 2016 **School of Magnetism** Milan
- Dec.2-4 2015 **School of Nanomedicine** Bari
- Oct.26-28 2015 **XI National Conference Nanophase Materials** Rome
- Jul.11-16 2015 **XXII International Summer School “Nicolas Cabrera”:** Madrid
NEW DIRECTIONS IN SPINTRONICS AND NANOMAGNETISM

Programming

C++, Matlab, Mulab, Origin.

Languages

English

Communications & Publications

2015 **Effect of Magnetic Nanoparticles Size on Longitudinal and Transversal Relaxometry of Iron Oxide Nanoparticles**

XXII International Summer School "Nicolas Cabrera":
NEW DIRECTIONS IN SPINTRONICS AND NANOMAGNETISM
Madrid, July 11 - 16 2015

2015 **Efficiency of Cubic Nanoparticles as Contrast and Hyperthermic Agents**

School of Nanomedicine
Bari, December 2-4 2015

Interests

Personal: reading, sport