

PERSONAL INFORMATION

Name: Luisana Di Cristo
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CURRENT POSITION

July 2017- on going

Post-doctoral Research Fellow at the Italian Institute of Technology in Genova, in the Nanoregulatory group at D3 Pharma-Chemistry department. Supervisor: Dr. Stefania Sabella.

EDUCATION

January 2017-December 2017

Second level postgraduate Diploma (University of Pisa, Italy): Clinical trials of drugs in internal medicine, hematology and oncology. Thesis Title: "Nanomedicine and Clinical Trials: where we are and the road ahead".

January 2012 - December 2014

PhD track program in Experimental Pharmacology and Toxicology at the University of Parma (Italy).

Thesis Title (defended on March 12 2015): "Towards the identification of structural determinants of toxicity of amorphous silica nanoparticles and carbon nanotubes: an *in vitro* study". Supervisors: Prof. Ovidio Bussolati and Prof. Elisabetta Barocelli.

October 2009 - December 2011

Master degree in Medical, Veterinary and Pharmaceutical Biotechnology with 110/110 (cum laude) at the University of Parma (Italy). Thesis Title: "Comparative effects of metal oxide nanoparticles on human airway epithelial cells and macrophages". Supervisors: Prof. Ovidio Bussolati and Dr. Bianca Maria Rotoli.

October 2006 - September 2009

Bachelor degree in Biology with 99/110 at the University of Parma (Italy). Thesis Title: "Development of a new model of chronic-social stress on adult 129SvEv female mice". Supervisors: Prof. Alessandro Bartolomucci and Prof. Andrea Sgoifo.

WORK EXPERIENCES

April-July 2017

Internship: Clinical study coordinator at Oncology Department, Hospital F. Lotti, Pontedera (PI).

July 2015 – August 2016

Post-doctoral Research Fellow at the Department of Clinical Medicine, Trinity College Dublin. Supervisor: Prof. Adriele Prina Mello.

January-February 2015

Q-NANO PROJECT" (Quality-Nano: A pan-European infrastructure for quality nanomaterials safety testing): Influence of multi walled carbon nanotubes (MWCNTs) structural and physico-chemical properties on macrophage activity. Laboratory

for Biological Characterization of Advanced Materials (LBCAM) and Department of Clinical Medicine, Trinity Translational Medicine Institute (TTMI), School of Medicine, Trinity College Dublin, Ireland. Supervisor: Prof. Adriele Prina Mello.

July-August 2013

Q-NANO PROJECT” (Quality-Nano: A pan-European infrastructure for quality nanomaterials safety testing): Definition of toxicity threshold doses and high-resolution imaging of zinc oxide (ZnO) and silver (Ag) nanoparticles on macrophage and epithelial lung cell. Laboratory for Biological Characterization of Advanced Materials (LBCAM) and Department of Clinical Medicine, Trinity Translational Medicine Institute (TTMI), School of Medicine, Trinity College Dublin, Ireland. Supervisor: Prof. Adriele Prina Mello.

January 2012 - June 2015

Research fellow at Laboratory of General Pathology, Department of Medicine and Surgery, University of Parma (Italy). Supervisor: Prof. Ovidio Bussolati.

PROFESSIONAL DEVELOPMENT

21-24 May 2019

JRC Summer School 2019: Non-Animal Approaches in Science Challenges & Future Directions (Ispra, Italy).

15 October 2018

Discovering Organoids: the Journey of 3D culture systems (Milan, Italy).

10-11 January 2018

5th in-vitro Alternatives Workshop (Siena, Italy).

November 2013

Qualified as a Professional Biologist.

17-22 March 2013

Fourth Nanosafety annual school: Understanding Human Health Effects and Environmental Impacts of Engineered Nanomaterials (Venice, Italy).

2 March 2012

Training School on GLP: Concepts of Good Laboratory Practice and how they can be applied to research in the emerging discipline of nanosafety assessment (Dublin, Ireland).

TEACHING EXPERIENCE

23 March 2019

Lecture in an advanced training course in Risk and opportunity linked to nanotechnology at the University of Rome, Sapienza. Lesson: Nanomaterials toxicity: physicochemical properties and *in vitro* tests in the nanoregulatory contest.

March-July 2016

Tutor of a visiting Ph.D. student in Analytical Chemistry from the University of Bologna (Italy). Marco Polo projects “Development of a multidisciplinary protocol for the evaluation of antimicrobial nanoparticles as sanitary tools in health facilities”. Supervisor: Prof. Adriele Prina Mello.

July-October 2015

Tutor of a visiting Ph.D. student in Analytical Chemistry from the University of Bologna (Italy). Unipharma – Graduates projects “Analytical tools towards a “Safety by design” management of industrially relevant nanoparticles”. Supervisor: Prof. Adriele Prina Mello.

October 2012-July 2014

Tutor of the Master Degree course in Medical, Veterinary and Pharmaceutical Biotechnology (University of Parma, Italy).

January 2012-December 2015

Co-supervisor of three Master theses in Biology and Biomedical Applications and 2 Bachelor theses in Biotechnology (University of Parma).

Publications

<https://scholar.google.com/citations?user=PgeGNhUAAAAJ&hl=it>

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 “Codice in materia di protezione dei dati personali”

PLACE AND DATE

Genova, July 20, 2021

SIGN

