



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

[Leopoldo Sitia]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Sitia
Name	Leopoldo
Date of birth	[07 / 01 / 1985]

PRESENT OCCUPATION

Appointment	Structure
Post-Doc Nanobiinteractions and NanoDiagnostic	Istituto Italiano di Tecnologia, Via Morego 30, 16163 Genova GE

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Biomedical Engineering	Politecnico di Milano, Milano, Italy	2007
Specialization	Biomedical Engineering	Politecnico di Milano, Milano, Italy	2009
PhD	Nanomedicine and nanopharmacology	Mario Negri Institute for Pharmacological Research (Milan, Italy) and Open University (Milton Keynes, UK)	2015
Master	Biomedical Research and Biochemistry	Mario Negri Institute for Pharmacological Research (Milan, Italy)	2011



FOREIGN LANGUAGES

Languages	level of knowledge
English	C2 (Toefl 280/300)
French	C2 (Delf B1)

TRAINING OR RESEARCH ACTIVITY

I am studying nano-biointeractions in biocompatible nanoparticles with the aim of optimizing their use as drug delivery systems. This has to be done at different stages of nanoparticles development, starting from the synthesis, to the uptake in cells and the biodistribution in preclinical models of disease. I have been working with nanoparticles for several applications including cancer, neurodegenerative diseases, bacterial infections as well as stem cell therapy

CONGRESSES AND SEMINARS

Date	Title	Place
10-14 July 2016	Nanoparticulate oligonucleotides for the treatment of drug-resistant pathogens: biodistribution and efficacy studies.	IMI translocation meeting "Novel approaches to fight bacteria". Bremen, Germany
6-7 August 2015	Nanoparticulate antibacterials deliver nucleic acid based therapeutics for the treatment of drug-resistant pathogens.	British Society for Nanomedicine Young Researchers Meeting, Liverpool UK.
19-21 June, 2013	Optimization of an integrated system for the quantitative measurements of NP cellular uptake and cellular localization.	NPMED 2013. Nanoparticles and Nanotechnologies in Medicine, Milano, Italy.
14 May, 2012.	Fluo/paramagnetic nanoparticles for efficient, safe and reliable stem cell tracking.	4th MEETING Forum of Italian Researchers on Mesenchymal and Stromal Stem Cells. Pavia, Italy.
3 October 2014	An integrated approach for the evaluation of polymeric nanoparticles as drug delivery agents in breast cancer (poster).	µFiBR 2014. Hasselt University, Belgium



PUBLICATIONS

Articles in reviews
Enhancement of Tumor Homing by Chemotherapy-Loaded Nanoparticles. <i>Small</i> . 2018 Nov;14(45). Ponzoni M, Curnis F, Brignole C, Bruno S, Guarnieri D, Sitia L, et al.
Cationic liposomal vectors incorporating a bolaamphiphile for oligonucleotide antimicrobials. <i>Biochim Biophys Acta</i> . 2017 Jun 10;1859(10):1767-1777. Mamusa M, Sitia L, Barbero F, Ruyra A, et al.
Fate of PLA and PCL-Based Polymeric Nanocarriers in Cellular and Animal Models of Triple-Negative Breast Cancer. <i>Biomacromolecules</i> . 2016 Mar 14;17(3):744-55. Sitia L, Ferrari R, Violatto MB, Talamini L, Dragoni L, et al.
An integrated approach for the selection of polymeric nanoparticles in targeting triple negative breast cancer. <i>Journal of Nanoparticle Research</i> . 2014;16(7) Sitia L, Paoletta K, Romano M, Violatto MB, Ferrari R, et al.
Longitudinal tracking of triple labelled umbilical cord derived mesenchymal stromal cells in a mouse model of Amyotrophic Lateral Sclerosis. <i>Stem Cell Research</i> , 2015 Jul; 15(1). Violatto M, Santangelo C, Sitia L, et al.
Organ Distribution and Bone Tropism of Cellulose Nanocrystals in Living Mice. <i>Biomacromolecules</i> . 2015, 16 (9), pp 2862-2871. Colombo L, Zoia L, Violatto MB, Sitia L, et al.
Genetic Analysis Reveals a Longevity-Associated Protein Modulating Endothelial Function and Angiogenesis. <i>Circ Res</i> . 2015 Jun 1. Villa F, Carrizzo A, Spinelli CC, Ferrario A, Sitia L, et al.
A biodistribution study of PEGylated PCL-based nanoparticles in C57BL/6 mice bearing B16/F10 melanoma. <i>Nanotechnology</i> . 2014 Aug 22;25(33). Lupi M, Colombo C, Frapolli R, Ferrari R, Sitia L, et al.
Blood Protein coating of gold nanoparticles as potential tool for organ targeting; <i>Biomaterials</i> 2014. Schäffler M; Sousa F; Wenk A; Sitia L; Hirn S; Schleh C; et al.
In Vivo Fate of Avidin-Nucleic Acid Nanoassemblies as Multifunctional Diagnostic Tools. <i>ACS Nano</i> 2013. Bigini P, Previdi S, Casarin E, Silvestri D, Violatto MB, Facchin S, Sitia L, et al.
Biocompatible fluorescent nanoparticles for in vivo stem cell tracking. <i>Nanotechnology</i> 2013; 24: 245603. Cova L, Bigini P, Diana V, Sitia L, Ferrari R, Pesce RM, et al.
Lipofuscin accumulation and gene expression in different tissues of mnd mice. <i>Mol Neurobiol</i> . 2012; 45: 247-57. Traina G, Bigini P, Federighi G, Sitia L, Paroni G, Fiordaliso F, et al.
Longitudinal tracking of human fetal cells labeled with super paramagnetic iron oxide nanoparticles in the brain of mice with motor neuron disease. <i>PLoS One</i> 2012; 7. Bigini P, Diana V, Barbera S, Micotti E, Sitia L, et al.

OTHER INFORMATION



UNIVERSITÀ DEGLI STUDI DI MILANO

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Milano, 18/11/2018

SIGNATURE

A handwritten signature in black ink, consisting of several fluid, connected strokes.