

# CURRICULUM VITAE

## Personal information

Surname(s) / First name(s) **Marucco Arianna Maria**  
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Nationality(-ies) Italian  
Date of birth 09-11-1984  
Gender Female

## Work experience

Dates 1 January 2011-  
Main activities PhD Student  
Name of employer Università degli Studi di Torino Dipartimento di Chimica Inorganica, Fisica e dei Materiali  
Web site [www.chimifm.unito.it](http://www.chimifm.unito.it) / [www.centroscansetti.unito.it](http://www.centroscansetti.unito.it)  
Project Title of the thesis: "Role of proteins in nanotoxicology: particle dispersion, competitive adsorption, denaturation and modifications in surface reactivity and cellular responses to nanoparticles differing in form, size and chemical composition".

Dates May 2011-July 2011  
Main activities Fellowship  
Name of employer Università degli Studi di Torino / European Science Foundation / Focas Institute, Dublin Institute of Technology, Ireland  
Web site [www.focas.dit.ie](http://www.focas.dit.ie)  
[www.esf.org](http://www.esf.org)  
Project Epitope Map Project: Mapping the detailed composition of surface – adsorbed protein layers on biomaterials and nanoparticles.

Dates 30 March 2010- 29 December 2010  
Main activities Fellowship  
Name of employer Università degli Studi di Torino Dipartimento di Chimica Inorganica, Fisica e dei Materiali  
Web site [www.chimifm.unito.it](http://www.chimifm.unito.it)  
Project My project focused on: "Nanoparticles: from their impact on the environment and human health to safer production and usage."  
The aim of the study is the characterization of silica and titania dioxide nanoparticles and the study of the interaction with protein.

## Education and training

|  |   |
|--|---|
| Dates  | 2-6 July 2012   |
| Title of qualification awarded                                 | Nanotechnology Summer School  |
| Name and type of organisation providing education and training | University of Oxford, England   |
| Dates  | 2008  |
| Title of qualification awarded                                 | Master degree in Industrial Biotechnologies, 110 cum laude/110.<br>Title of the thesis: "Molecularly imprinted polymer/cryogel for the identification of bisphenol A".<br>Project description: The aim of my work was to develop a cryogel-supported molecularly imprinted solid-phase extraction approach for the endocrine disruptor bisphenol A (BPA) from river water and wine samples. |
| Name and type of organisation providing education and training | University of Turin, ITALY  |
| Dates  | 2007  |
| Title of qualification awarded                                 | Bachelor degree in Industrial Biotechnologies, 97/110   |
| Name and type of organisation providing education and training | University of Turin, ITALY  |
| Dates  | June 2007-July 2007   |
| Title of qualification awarded                                 | Lab experience about BSE analysis.  |
| Name and type of organisation providing education and training | Istituto Zooprofilattico Sperimentale di Piemonte, Liguria e Valle d'Aosta, Via Bologna 148, 10154 Turin, ITALY   |
| Web site   | <a href="http://www.izsto.it">www.izsto.it</a>  |
| Dates  | 2003  |
| Title of qualification awarded                                 | High School Diploma, 94/100   |
| Name and type of organisation providing education and training | Liceo Scientifico Gino Segrè Cso Alberto Picco 14, 10131 Turin, ITALY   |

## Other qualifications

Contributes to International Congresses

2012 - Poster presentation at the "XL Congresso Nazionale della divisione di Chimica Inorganica della Società Chimica Inorganica", Sestri Levante, Italy, 9-13<sup>th</sup> September.

A. Marucco, I. Fenoglio, F. Turci, G. Ceccone, F. Rossi, L. O'Neill, H.J. Byrne and B. Fubini

"Interaction of fibrinogen with nanoparticles and covered SiO<sub>2</sub> wafers: role of hydrophilic and hydrophobic "

2012 - Poster presentation at the Workshop "Nanomateriali e salute", Istituto Superiore di Sanità, Roma, Italy, 10-11<sup>th</sup> May.

A. Marucco, F. Turci, I. Fenoglio, B. Fubini, G. Ceccone, F. Rossi, L. O'Neill, H.J. Byrne

"Interazione del fibrinogeno con nanoparticelle di silice, biossido di titanio e carbonio "

2011 - Oral presentation at the International Conference on "Biological Responses to Nanoscale Particles", University of Duisburg-Essen, Germany, 11-15<sup>th</sup> September.

A. Marucco, E. Carella, F. Turci, I. Fenoglio, B. Fubini, G. Ceccone, F. Rossi, L. O'Neill, H.J. Byrne

"Role of hydrophilicity in the interaction of fibrinogen with SiO<sub>2</sub> Nanoparticles"

2011 - Poster presentation at the 3rd NanoImpactNet Conference, Lausanne, 14-17<sup>th</sup> February.  
A. Marucco, E. Carella, I. Fenoglio, B. Fubini, F. Turci, L. O'Neill, H.J. Byrne, G. Ceccone, F. Rossi,  
"Molecular insight of the interaction between surface-tailored Si/SiO<sub>2</sub> wafers and fibrinogen."

2010 - Poster presentation at the Nanotoxicology Conference, Edinburgh, 2-4<sup>th</sup> June.  
I. Fenoglio, F. Turci, E. Ghibaudi, M. Colonna, B. Boscolo, A. Marucco, B. Fubini,  
"The interaction between proteins and nanoparticles studied by means of DLS micro-electrophoresis, Raman and EPR spectroscopy."

**Personal skills and competences**

Mother tongue

**Italian**

Other languages

Self-assessment

Level

| Understanding |         | Speaking           |                   | Writing |
|---------------|---------|--------------------|-------------------|---------|
| Listening     | Reading | Spoken interaction | Spoken production |         |
| B2            | B2      | B1                 | B1                | B1      |
| B1            | A2      | A2                 | A2                | A1      |

**English**

**French**

Organisational skills and competences

Good ability in staying in a teamwork and work in a multicultural environment, but also capacity of leadership.  
Enterprising, determined and reliable professional person.  
Strong interest to improve my professional knowledge.

Technical skills and competences

High-performance pressure liquid chromatography (HPLC), UV-Vis spectroscopy, FT-IR spectroscopy, X-ray Diffraction (XRD), Micro-Raman Spectroscopy, BET (surface area), DLS micro-electrophoresis, X-ray Fluorescence (XRF), Atomic Force Microscopy (AFM).

Computer skills and competences

Very good knowledge of Microsoft Office: Word, Excel, Power Point. Good knowledge of Origin Lab.

Driving licence(s)

Driving licence type B.

**Additional information**

For any additional information you can contact:

Prof.ssa Bice Fubini [bice.fubini@unito.it](mailto:bice.fubini@unito.it)  
Dott.ssa Ivana Fenoglio [ivana.fenoglio@unito.it](mailto:ivana.fenoglio@unito.it)  
Dott. Francesco Turci [francesco.turci@unito.it](mailto:francesco.turci@unito.it)  
Prof. Claudio Baggiani [claudio.baggiani@unito.it](mailto:claudio.baggiani@unito.it)

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