

✓ **Curriculum Vitae:**

**PERSONAL DATA**

First name/surname **SIMONETTA GIULIA PAPA**

[simonetta.papa@marionegri.it](mailto:simonetta.papa@marionegri.it)

Citizenship Italian

Date of birth 11/03/1986

**EDUCATION**

- Date **DEC 2013**  
**Qualification to practice Biologist Profession**  
(State Examination – II session 2013)
  
- Date **14<sup>th</sup> JUL 2011**  
**Master's Degree in Biology** (pathophysiological curriculum)  
University of Milano-Bicocca, Italy;  
Marks: 108/110  
  
Project:  
"Role of  $\alpha$ B-crystallin in two mouse models of familial Amyotrophic Lateral Sclerosis"  
Supervisors: Prof. Paola Fusi; Dr. Caterina Bendotti.
  
- Date **9<sup>th</sup> DEC 2008**  
**Bachelor's Degree in Biological Sciences**  
University of Milano-Bicocca, Italy;  
Marks: 101/110  
  
Project:  
"Preparation of exosomes from human urine: a source of potential biomarkers".  
Supervisors: Prof. Marina Pitto, Dr. Francesca Raimondo.
  
- Date **2005**  
**High-school Diploma**  
Liceo specializing in Scientific and Classical studies  
"Marie Curie" – Meda (MB), Italy;

## WORK EXPERIENCES

- Period **Oct 2012 - Nowadays**  
**PhD Student**  
Biology of Neurodegenerative Disorders Laboratory  
Neuroscience Department  
IRCCS “Mario Negri” Institute for Pharmacological Research,  
Milan, Italy
- Period **Sep 2011 – Sep 2012**  
**Research fellow**  
Biology of Neurodegenerative Disorders Laboratory  
Neuroscience Department  
IRCCS “Mario Negri” Institute for Pharmacological Research,  
Milan, Italy
- Period **Jan 2010 – Jul 2011**  
**Internship**  
  
Molecular Neurobiology Laboratory  
Neuroscience Department  
IRCCS “Mario Negri” Institute for Pharmacological Research,  
Milan, Italy
- Period **Jun 2008 - Dec 2008**  
**Internship**  
  
Clinical Biochemistry Laboratory  
Department of Experimental Medicine  
University of Milano-Bicocca, Milan, Italy

## LABORATORY SKILLS

Certification qualifying for *in vivo* experiments obtained at the IRCCS “Mario Negri” Institute for Pharmacological Research, Milan, Italy;  
Management of transgenic mouse colony;  
Application of motor functionality tests in neurodegenerative pathology models;  
Surgical procedure of laminectomy on mouse and rat models;  
Intracardiac perfusion, IP administration;  
Molecular biology techniques (qualitative PCR);  
Immunohistochemistry and immunofluorescence techniques;  
Microscopy techniques;  
SDS-PAGE, Western blot.

## **INFORMATION SKILLS**

Windows OS Xp, Vista (Word, Excel, PowerPoint);  
Software acquisition and analysis of image (Analysis, Olympus);  
Statistic data analysis (Prism).

## **LANGUAGE SKILLS**

### **MOTHER TONGUE**

ITALIAN

### **OTHER LANGUAGES**

#### **ENGLISH**

- Reading VERY GOOD
- Writing GOOD
- Speaking GOOD

#### **FRENCH**

- Reading BASIC
- Writing BASIC
- Speaking BASIC

### **SOCIAL SKILLS AND COMPETENCES**

Ability to work in team acquired during work experience and internships.  
Good ability to set goals and work to comply with deadlines established.

### ✓ **Lavori pubblicati:**

#### **“Multiple drug delivery hydrogel system for spinal cord injury repair strategies”**

Perale G, Rossi F, Santoro M, Peviani M, Papa S, Llupi D, Torriani P, Micotti E, Previdi S, Cervo L, Sundstrom E, Boccaccini AR, Masi M, Forloni G, Veglianese P; *J Control Release*. 2012 Apr 30;159(2):271-80.

#### **“Sustained Delivery of Chondroitinase ABC from Hydrogel System”**

Rossi F, Veglianese P, Santoro M, Papa S, Rogora C, Dell'oro V, Forloni G, Masi G, Perale G; *Journal of functional biomaterials*, 2012, 3, 199-208; doi:10.3390/jfb3010199.

#### **“Current options for drug delivery to the spinal cord”**

Rossi F, Perale G, Papa S, Forloni G & Veglianese P; *Expert Opinion on Drug Delivery*, 2013, 10(3): 385-396.

#### **“Tunable hydrogel - nanoparticles release system for sustained combination therapies in the spinal cord”**

Rossi F, Ferrari R, Papa S, Moscatelli D, Casalini T, Forloni G, Perale G, Veglianese P; *Colloids Surf B Biointerfaces* 2013; 108 : 169-177.

**“A mouse model of familial ALS has increased CNS levels of endogenous Ubiquinol<sub>9/10</sub> and does not benefit from exogenous administration of Ubiquinol<sub>10</sub>”**  
Lucchetti J, Marino M, Papa S, Tortarolo M, Guiso G, Pozzi S, Bonetto V, Caccia S, Beghi E, Bendotti C, Gobbi M; *PLoS ONE* 2013 8(7): e69540. doi:10.1371/journal.pone.0069540.

**“Selective nanovector mediated treatment of activated proinflammatory microglia/macrophages in Spinal Cord Injury”**

Papa S\*, Rossi F\*, Ferrari R, Mariani A, De Paola M, Caron I, Fiordaliso F, Bisighini C, Sammali E, Colombo C, Gobbi M, Canovi M, Lucchetti J, Peviani M, Morbidelli M, Forloni G, Perale G, Moscatelli D and Veglianese P; *ACS Nano* 2013, 7 (11), pp 9881–9895.

**“Polymeric nanoparticle system to target activated microglia/macrophages in spinal cord injury”**

Papa S\*, Ferrari R\*, De Paola M, Rossi F, Mariani A, Caron I, Sammali E, Peviani M, Dell'Oro V, Colombo C, Morbidelli M, Forloni G, Perale G, Moscatelli D, Veglianese P; *J Control Release* 2014; 174 : 15-26.

**"Nano-vector mediated drug delivery for spinal cord injury treatment"**

Caron I\*, Papa S\*, Rossi F, Forloni G, Veglianese P; *Wiley Interdiscip Rev Nanomed Nanobiotechnol.* 2014 Sep;6(5):506-15. doi: 10.1002/wnan.1276.

**“Differences in protein quality control correlate with phenotype variability in two mouse models of familial amyotrophic lateral sclerosis”**

Marino M, Papa S, Crippa V, Nardo G, Peviani M, Cheroni C, Trolese MC, Lauranzano E, Bonetto V, Poletti A, DeBiasi S, Ferraiuolo L, Shaw P J, Bendotti C; *Neurobiology of Aging* 2014; 10.1016/j.neurobiolaging.2014.06.026.

## ✓ Dichiarazione di originalità del lavoro

Milano, 14 Ottobre 2014

Io sottoscritta **Simonetta Giulia Papa**

**dichiaro**

che il lavoro “Selective nanovector mediated treatment of activated proinflammatory microglia/macrophages in Spinal Cord Injury” pubblicato sulla rivista scientifica “ACS Nano” nel 2014 è originale e autografo.

Simonetta Giulia Papa

