



► Sara Landi

Date of Birth: 4th May 1992

Nationality: Italian

Address: Via Vigilio Inama, 15 20133 Milan (MI)

Telephone Number: +39 3279812942

Email: sara.landi@live.it

EDUCATION AND TRAINING

PhD in Physiology

(2015-present)

- Università degli Studi di Milano, Milan (Italy), supervisor: Prof. Andrea Francesco Barbuti, PhD.
 - Gene expression through Real-time qPCR;
 - Cell culture of mouse embryonic stem cells and human ipS cells and differentiation *in vitro* in cardiomyocytes;
 - Electrophysiological analysis.

Master's Degree in Molecular Biology of the Cell 110/110 cum laude

(2013-2015)

- Università degli Studi di Milano, Milan (Italy), supervisor: Prof. Andrea Francesco Barbuti, PhD.

Thesis: *Effects of miRNAs modulated by endurance training on cardiac excitability*

 - Training by treadmill of murine model;
 - Gene expression through Real-time qPCR;
 - Isolation of rat neonatal myocytes and transfection for electrophysiological analysis;
 - Cell culture of mouse embryonic stem cells and differentiation *in vitro* in cardiomyocytes.

Bachelor's Degree in Biological Sciences 110/110 cum laude (2010-2013)

- ▶ Università degli Studi di Salerno, Salerno (Italy), supervisor: Margherita De Rosa, PhD.
Thesis: *The σ_2 receptor in oncologic research*

PERSONAL SKILLS

- ▶ **Mother tongue:** Italian
- ▶ **Other language:** English

LISTENING	TALKING	WRITING
B2	B2	B2

Levels: A1/2 Basic - B1/2 Intermediate - C1/2 Advanced
Quadro Comune Europeo di Riferimento delle Lingue

TECHNICAL SKILLS

Excellent skills in **cell culture** (immortalized cell lines, human and mouse fibroblasts, mouse embryonic stem cells, primary culture of newborn rat myocytes), **molecular biology** (PCR and qPCR, RNA extraction and retrotranscription, plasmid construction and cloning in bacteria, transfection and electroporation of cells with plasmids), **immunostaining** and analysis with confocal microscope. Good skills in **flow cytometry analysis** and **electrophysiology** (patch clamp in voltage and current clamp in whole-cell configuration). Experience with ClampFit 10.1, Origin Pro 8 and Office for data analysis.

ADDITIONAL INFORMATIONS

▶ PUBLICATIONS:

▶ ABSTRACTS

Effects Of miRNAs Modulated By Endurance Training On Cardiomyocyte Excitability
M. Bonzanni, S. Landi, A. D'Souza, G. Vernillo, A. La Torre, A. Bucchi, M. Baruscotti,
M.R. Boyett, D. DiFrancesco, A. Barbuti;
66th Congress SIF 2015, Genova, 16-18th September

▶ WORKSHOPS

Microscopia correlativa e in super risoluzione
Università degli Studi di Pavia, 4th February 2016

Corso introduttivo alla sperimentazione animale OPBA
Istituto Mario Negri, Milano, 23-24-25th November 2015

Gas criogenici e compressi, utilizzo in sicurezza
SIAD, 30th September 2015

Citofluorimetria: Forse non sAi Cosa So fare! ...non solo sorting
Daniele Manganaro (Application specialist BD Biosciences), 21th September 2015