

PERSONAL INFORMATION



Silvia Fasciano

📍 Department of Molecular Medicine, Molecular Cardiology

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Date of birth 06/11/1989 | Nationality Italian

EDUCATION AND TRAINING

OCTOBER 2016- PRESENT

Ph.D in Genetics, molecular and cellular biology

University of Pavia, Department of Molecular Medicine, Molecular Cardiology

- Molecular biology laboratory (PCR, Real-Time, Western Blot, Immunofluorescence, sequencing analysis, molecular cloning, transformation, transfection, RNA interference, mammal cell culture, murine model handling).

Business or sector: research– Responsible Prof. Silvia G. Priori.

 OCTOBER 2013 – DECEMBER
2015

Master's degree in Molecular Biology and Genetics

University of Pavia , score 110/110 con laude.

- Thesis Title: "Allele-specific silencing by RNA interference as a therapeutic approach to treat autosomal dominant Catecholaminergic Polymorphic Ventricular Tachycardia: *in vitro* screening of effective molecules".
Supervisor Prof. Antonio Torroni, co-supervisor Prof. Silvia G. Priori.

OCTOBER 2008 – JULY 2013

Three-year degree in Biology

University of Palermo, score 108/110

- Thesis Title: "Comparazione di DNA di *Staphylococcus aureus* mediante Pulsed Field Gel Electrophoresis".
Supervisor Prof.ssa Rosa Valeria Alduina, company tutor Dott. Salvatore Gaglio.

JULY 2008

High school graduation (specializing in classical studies)

High school "Ruggero Settimo" of Caltanissetta (CL) ,score 95/100.

WORK EXPERIENCE**MARCH 2016 – SEPTEMBER
2015****Scholarship holder**

Fondazione Salvatore Maugeri IRCCS, Pavia.

- Molecular biology laboratory (PCR, Real-Time, Western Blot, Immunofluorescence, sequencing analysis, molecular cloning, transformation, transfection, RNA interference, mammal cell culture, murine model handling).

Business or sector: research– Responsible Prof. Silvia G. Priori.**OCTOBER 2013-DICEMBER
2015****Internship thesis**

Fondazione Salvatore Maugeri IRCCS, Pavia.

- Molecular biology laboratory (PCR, Real-Time, Western Blot, Immunofluorescence, sequencing analysis, molecular cloning, transformation, transfection, RNA interference, mammal cell culture, murine model handling).

Business or sector: research– Responsible Prof. Silvia G. Priori.**FEBRUARY 2013 –JULY 2013****Internship thesis**

University consortium, Caltanissetta.

- Genotyping analysis of *S. aureus* (bacterial culture, DNA extraction, PULSED-FIELD GEL ELECTROPHORESIS).

Business or sector: research– Responsible Dott. Salvatore Gaglio .

PUBLICATIONS**POSTER PRESENTATION****American Heart Association (AHA) Scientific Sessions 2016**

New Orleans, November 12-16 , 2016

- **Allele specific silencing prevents malignant arrhythmias and ultrastructural abnormalities in Ryanodine Receptor mutant mice**

Rossana Bongianino¹, Alessandra Vollero¹, Francesco Lodola¹, Marco Denegri¹, Simona Boncompagni², Silvia Fasciano¹, Andrea Mazzanti¹, Damiano Mangione¹, Serena Barbaro¹, Giulia Rizzo¹, Alberto Auricchio³, Carlo Napolitano¹, Feliciano Protasi² and Silvia G. Priori^{1,5}.

¹Molecular Cardiology, IRCCS Istituti Clinici Scientifici Maugeri, Pavia, Italy;

²CeSI-Center for Research on Ageing & DNICS-Department of Neuroscience, Imaging, and Clinical Sciences, University G. d'Annunzio, Chieti, Italy;

³Telethon Institute of Genetics and Medicine, Naples, Italy;

⁴Medical Genetics, Department of Translational Medicine, "Federico II" University, Naples, Italy;

⁵Department of Molecular Medicine, University of Pavia, Pavia, Italy.

12th SIBBM Seminar Frontiers in Molecular Biology

Napoli, June 16-18, 2016

- **Allele specific silencing of mutant mRNA rescues ultrastructural and arrhythmic phenotype in mice carriers of the R4496C mutation in the Ryanodine Receptor gene (RYR2)**

Rossana Bongianino¹, A. Vollero¹, F. Lodola¹, M. Denegri¹, S. Boncompagni², S. Fasciano¹, A. Mazzanti¹, D. Mangione¹, S. Barbaro¹, G. Rizzo¹, A. Auricchio^{3,4}, C. Napolitano¹, F. Protasi², S.G. Priori^{1,5}

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⁵Dept of Molecular Medicine, Univ. of Pavia, Pavia, Italy

PERSONAL SKILLS

MOTHER TONGUE

Italian

OTHER LANGUAGE

	UNDERSTANDING		SPEAKING		WRITING
	LISTENING	READING	SPOKEN INTERACTION	SPOKEN PRODUCTION	
English	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

COMPETENZE COMUNICATIVE

Good ability to work in teams and of interpersonal interaction.

COMPETENZE ORGANIZZATIVE E GESTIONALI

Good organizational skills. Able to establish objectives depending on the priorities and meet deadlines.

COMPETENZE INFORMATICHE

Excellent knowledge of Windows operating system and Microsoft Office tools (Word, Excel, PowerPoint, Access), Internet.

ADDITIONAL INFORMATION

CONFERENCES

“Short Course in Microbial Genetics” by Prof. Daniela Barillà and Prof. Finbarr Hayes (12-15 Maggio 2014, Pavia)

“NMR spectroscopy in molecular and structural biology” by Prof. Annalisa Pastore (5-7 Maggio 2014, Pavia)

“Structural Biology and Pharmacology by Professor Dale Edmondson” (8, 14-15 Aprile 2014, Pavia)

“Chromosome Structure and Dynamics by Prof. Kevin Sullivan” (3-5 dicembre 2013, Pavia)

CERTIFICATIONS,
WORKSHOP

Corso professionale n. IF2010A0132 D.A. n.680 del 10/03/2010 “Esperto i indagini in genetica molecolare”, anno formativo 2010.

h: 500

GeoInformatica Soc. Coop. a r.l., Caltanissetta