

Silvia Pignani



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POSITION

PhD student University of Ferrara
PhD course in Biomedical Sciences and Biotechnology

WORK EXPERIENCE

06/2016–Present

Research Fellow

University of Ferrara - Molecular Biology Lab, Ferrara (Italy)

Research Fellow funded by Bayer Haemophilia in Life Sciences and Biotechnology Department, Molecular Biology section for the research project "Transcription Activation as a therapeutic approach in coagulation diseases impaired by promoter mutations".

01/2016–05/2016

Visiting PhD student

Rikshospitalet Oslo, Oslo (Norway)

Creation of FVII Deficiency cellular models through CRISPR/Cas9 tool.

02/2015–01/2016

Research Fellow

University of Ferrara - Molecular Biology Lab, Ferrara (Italy)

Research Fellow funded by AFM Telethon in Life Sciences and Biotechnology Department, Molecular Biology section for the research project "DMD duplication correction using CRISPR/Cas9 system".

11/2014–Present

PhD Student

University of Ferrara, Ferrara (Italy)

Life Sciences and Biotechnology Department, Molecular Biology Lab

09/2013–07/2014

Internship

Molecular Biology Lab - Life Sciences and Biotechnology Department, Ferrara (Italy)

Usage of Transcription Activator fused to TALE (Transcription Activation-Like Effectors) proteins to restore the transcription of FVII impaired by promoter mutations.

EDUCATION AND TRAINING

09/2012–10/2014

MSc Degree - Biomolecular and Cellular Sciences

University of Ferrara, Ferrara (Italy)

11/2008–09/2014

BSc – Biotechnology - University of Ferrara, Ferrara (Italy)

07/2007

Social Sciences Diploma - ITAS "Matteo Ricci", Macerata (Italy)

PERSONAL SKILLS**Mother tongue(s)** Italian**Other language(s)**

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B1
FCE - Cambridge				

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Job-related skills

Molecular biology applied to genomic systems: PCR, qPCR, cloning, vector design, CRISPR cloning. Proteomics: Western Blot, ELISA, Immunofluorescence. Eukaryotic and Bacterial cell cultures. Imaging: Confocal Microscope, Fluorescence Microscope.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

Digital competences - Self-assessment grid

Good command of OS Windows e Linux, Excellent command of Office™, and data elaboration programs (GraphPad Prism) or specific Molecular Cloning programs (Serial Cloner, Geneious). Good command of Adobe Photoshop (also Lightroom) and photo editing programs. Moreover, photo analysers (ImageJ).

Driving licence B**ADDITIONAL INFORMATION**

Grants and awards

- Bando Giovani Ricercatori 2016 (UNIFE) for the project "Creation of FVII Deficiency cellular models through CRISPR/Cas9 tool". At Rikshospitalet, Oslo (February - May 2016)
- ISTH Young Investigator Award (International Society of Thrombosis and Hemostasis) Travel Grant for the abstract: "Exploring chaperone-like compounds as innovative therapeutic strategy for Hemophilia B". At ISTH congress in Berlin (June 2017)

Publications

An Engineered TALE-Transcription Factor Rescues Transcription of Factor VII impaired by promoter mutations and enhances its endogenous expression in Hepatocytes. *Barbon E., Pignani S., Branchini A., Bernardi F., Pinotti M., Bovolenta M. Scientific Reports (2016), doi: 10.1038/srep28304.*

Conferences

57th Nazionale meeting of the Italian Society of Biochemistry and Molecular Biology (SIB) Ferrara September 2013
 MicroRNA: from basic research to therapeutic applications Ferrara September 2013
 2nd EPIXCHANGE ANNUAL WORKSHOP Ferrara (Italy) 3-4 October 2013
 National Conference Telethon 2015, Riva del Garda March 2015
 27th National PhD Student Meeting in Biochemistry and Molecular Biology, Brallo di Pregola (PV) June 2015
 28th National PhD Student Meeting in Biochemistry and Molecular Biology, Brallo di Pregola (PV) June 2016
 SISET National Meeting (Società Italiana per lo studio dell'Emostasi e della Trombosi) Abano Terme (PD) November 2016

Posters e Abstracts

- "CREATION OF MOUSE MODELS OF FVII DEFICIENCY CARRYING THE HUMAN F7 PROMOTER BY CRISPR-CAS9." *Pignani S., Barbon E., Bernardi F., Pinotti M., Bovolenta M.* - 27esima Riunione dei Dottorandi, June 2015 Brallo di Pregola (PV) June 2015 **Poster**
- "Engineered Transcription Factors (TALE-TF) as a potential therapeutic strategy for coagulation factors deficiencies caused by promoter mutations." *Barbon E., Pignani S., Branchini A., Bernardi F., Pinotti M., Bovolenta M.* - ISTH international Society of Thrombosis and Haemostasis, June 2015 Toronto (Canada) **Abstract**
- "AN ENGINEERED TALE-TRANSCRIPTION FACTOR RESCUES PROMOTER ACTIVITY IMPAIRED BY DISEASE-CAUSING MUTATIONS." *Pignani S., Barbon E., Branchini A., Bernardi F., Pinotti M. and Bovolenta M.* - 28esima Riunione dei Dottorandi, June 2016 Brallo di Pregola (PV) June 2016 **Poster**
- "AN ENGINEERED TALE-TRANSCRIPTION FACTOR RESCUES F7 PROMOTER ACTIVITY IMPAIRED BY MUTATIONS CAUSING SEVERE FACTOR VII DEFICIENCY" *Barbon E., Pignani S., Branchini A., Bernardi F., Pinotti M., Bovolenta M.* SISET Congress Abano Terme (PD) November 2016 - **Oral communication**
- "Exploring chaperone-like compounds as innovative therapeutic strategy for Hemophilia B" *Pignani S., Ferrarese M., Lombardi S., Marchi S., Todaro A., Pinton P., Bernardi F., Pinotti M., Branchini A.* - ISTH international Society of Thrombosis and Haemostasis, July 2017 Berlin - **Abstract and Oral communication**

Trattamento dei dati personali

Il sottoscritto acconsente, ai sensi del D.Lgs. 30/06/2003 n.196, al trattamento dei propri dati personali.

Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara.

Ferrara, 15/05/17

