

# 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

**09/2012–16/07/2014**

**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)**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	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
- SISSET 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.* SISSET 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

