

# Silvia Pignani



✉ pgnslv@unife.it

**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)****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. *Borbon E., Pignani S., Branchini A., Bernardi F., Pinotti M., Bovolento 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., Borbon E., Bernardi F., Pinotti M., Bovolento 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." *Borbon E., Pignani S., Branchini A., Bernardi F., Pinotti M., Bovolento 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., Borbon E., Branchini A., Bernardi F., Pinotti M. and Bovolento 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." *Borbon E., Pignani S., Branchini A., Bernardi F., Pinotti M., Bovolento 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., Todoro 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