

## PERSONAL INFORMATION

FIRST NAME/SURNAME

Email

Nationality  
Date of birth

## Curriculum Vitae

ANNOVI GIULIA

annovigiulia@gmail.com

Italian

1980.03.14 - CARPI (MODENA)



JOB APPLIED FOR

Postdoctoral researcher in the field of biology (Biochemistry / Molecular or Cell Biology / Microbiology / Biotechnology / Immunology)

## WORK EXPERIENCE

### OCCUPATIONAL FIELD

2019 - Present

**Postdoc at the University of Nova Gorica** in the field of exosomes isolation and nanobodies characterization.

MAIN TASKS AND RESPONSIBILITIES

Biopanning; cell culture, exosome extraction; cloning; toxin activity

2019

**Teaching practical courses** in the fields of Histology to students of Bachelor's degree in Biological Science at the University of Trieste

2018 - 2019

**Postdoc at the University of Trieste** in the field of serum Biomarkers assessment after rehabilitation in post-stroke patients. Project: Memori-net Interreg VA Italy-Slovenia 2014-2020

MAIN TASKS AND RESPONSIBILITIES

Serum biomarkers assay by ELISA; Cell culture; Stable clone creation and validation; hypoxia; viability test and drug screening; fluorescence microscopy; protein separation; tutor for master students; PCR-Real-time; PC

2016 - 2018

Scholarship at SISSA - Trieste on the **semantic and network analysis** of social media communication in the health field

2014 - 2015

Scholarship at Fondazione Feltrinelli Milano - Laboratorio Expo, a communication project for Expo 2015 | Main role: **media relation and social media manager**

2012

Education about "Cyberbullism and safe internet use" at the preparatory school

MAIN TASKS AND RESPONSIBILITIES

**Postdoc at CNRs/IBCP Lyon** (France) in the field of cellular behaviour on different biomaterials scaffold

Cell culture; analysis of promoter methylation; western blot

2004-2011

**Scholarships and postdoc at University of Modena and Reggio Emilia** in the field of extracellular matrix characterization; ectopic calcification processes characterization; 2DE proteomic analysis

MAIN TASKS AND RESPONSIBILITIES

Cell culture; protein analysis by 2DE MS/MS and Western blot; Real-time PCR; microscopy; elements of cytofluorimetry; tutor for bachelors and master students

## EDUCATION AND TRAINING

2016

Exam to practice the profession of journalist

2012 - 2013

Master in Scientific and Digital Journalism at SISSA Trieste

2006-2009 PhD in Molecular and Regenerative Medicine at University of Modena and Reggio Emilia with the project “On the pathogenesis of ectopic calcifications using the fibroblast model”.

2004 Exam to practice the profession of biologist

1999-2004 Master degree in Biological Science (110/110 cum laude), at the University of Modena and Reggio Emilia, on “The study of the possible biological role of the eptapeptide LGAGGAG on primary fibroblasts’ culture”

1994-1999 Classical high school diploma (100/100)

1991-1998 Bachelor degree in flute

Additional training  
 2018 Course of Microscopy SEM-S(T)EM  
 2015 Search Engine Optimization (SEO) course  
 2014 Website creation course (with the acquisition of HTML, CSS and FLASH notions)  
 Course for the realization of Epub books  
 2009 Workshop “Organic and Inorganic Mass Spectrometry Applications”  
 2007 Workshop “Mass Spectrometry Advances in Proteomics and Clinical Research”  
 2006 Workshop “4th Italian RNAI Symposium New tools for siRNA and miRNA discovery”  
 2005 Course on graphical technology for 3D modeling

**PERSONAL SKILLS**

**LANGUAGES**

**MOTHER TONGUE**

Italian

**OTHER LANGUAGES**

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

  

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B1	A2	A2

**COMMUNICATION SKILLS**

I have strong relational capabilities: I am open minded and I am able to adapt to the different human inclinations.

**ORGANISATION AL SKILLS AND COMPETENCES**

I have good teaching skills, frequently appreciated by the students.  
 I am able to coordinate the activities of different co-workers.  
 I am able to organize my work with a planning perspective.

**TECHNICAL SKILLS**

I have a lot of hobbies and I am able to organize my leisure and working time.  
 Cell culture - cloning - 1D and 2D page - Western blot - Immuno-cytochemistry  
 RT- and q-PCR - Colorimetric assays- drug screening - ELISA - biopanning

**COMPUTER AND DIGITAL SKILLS**

Good command of Microsoft Office™ tools  
 Audio editing (Adobe Audition, Audacity)  
 E-book related software (Oxygen, Prince XML, Sigil, Kindle previewer, Calibre)  
 Graphical software Adobe Workstation  
 HTML editor  
 Social network management  
 Wordpress and Joomla platforms  
 Statistical and visualization tools  
 Tools for web statistics and network analysis



## Giulia Annovi - List of publications

1. Gheduzzi D., Boraldi F., Annovi G., Paolinelli Devincenzi C., Schurgers L., Vermeer C., Quaglino D., Pasquali Ronchetti I. Matrix Gla protein (MGP) is involved in elastic fiber calcification in the dermis of Pseudoxanthoma Elasticum (PXE) patients. *Lab. Inv.*, 87:998-1008, 2007
2. Boraldi F., Annovi G., Carraro F., Naldini A., Tiozzo R., Quaglino D. Hypoxia influences the cellular cross-talk of human dermal fibroblasts. A proteomic approach. *BBA- Proteins and Proteomics*, 1774: 1402-1413, 2007
3. Boraldi F., Annovi G., Paolinelli Devincenzi C., Tiozzo R., Quaglino D. The effect of serum withdrawal on the protein profile of quiescent human dermal fibroblasts in primary cell culture. *Proteomics*, 8: 66-82, 2008
4. Malatesta M., Boraldi F., Annovi G., Baldelli B., Battistelli S., Biggiogera M., Quaglino D. A long-term study on female mice fed on a genetically modified soybean: effects on liver ageing. *Histochemistry and Cell Biology*, 130: 967-77, 2008
5. Malagoli D, Boraldi F, Annovi G, Quaglino D, Ottaviani E. New insights into autophagic cell death in the gypsy moth *Lymantria dispar*; a proteomic approach. *Cell Tissue Res*. 336: 107-118, 2009
6. Quaglino D., Boraldi F., Annovi G., Guerra D., Ronchetti I. Connective tissue and diseases: from morphology to proteomics towards the development of new therapeutic approaches. *Gastroenterol. Hepatol. - From Bed to Bench* 2: S56-S65, 2009 review
7. Boraldi F., Annovi G., Guerra D., Paolinelli Devincenzi C., Garcia Fernandez M.I., Panico F., De Santis G., Tiozzo R., Ronchetti I., Quaglino D. Fibroblast protein profile analysis highlights the role of oxidative stress and vitamin K recycling in the pathogenesis of pseudoxanthoma elasticum. *Proteomics - Clin. Appl*, 3: 1084-1098, 2009
8. Boraldi F\*, Annovi G\*, Tiozzo R., Sommer P., Quaglino D. Comparison of ex-vivo and in-vitro human fibroblast ageing models. *Mech Ageing Dev*, 113: 625-635, 2010 \*These authors contributed equally to this work.
9. Annovi G., Boraldi F., Moscarelli P., Guerra D., Tiozzo R., Parma B., Sommer P., Quaglino D. Heparan sulfate affects elastin deposition in fibroblasts cultured from donors of different ages. *Rejuvenation Res*. 15(1):22-31.
10. Quaglino D., Boraldi F., Annovi G., Ronchetti I. The multifaceted complexity of genetic diseases: a lesson from pseudoxanthoma elasticum. In: "Advances in the Study of Genetic Disorders", edited by K. Ikehara, Intech Publisher, ISBN 978-953-307-305-7, pp289-318, 2011
11. Boraldi F, Annovi G, Vermeer C, Schurgers LJ, Trenti T, Tiozzo R, Guerra D, Quaglino D. Matrix gla protein and alkaline phosphatase are differently modulated in human dermal fibroblasts from PXE patients and controls. *J Invest Dermatol*. 133(4):946-54, 2013
12. Ronchetti I, Boraldi F, Annovi G, Cianciulli P, Quaglino D. Fibroblast involvement in soft connective tissue calcification. *Front Genet*. 4:22. 2013
13. Boraldi F, Garcia-Fernandez M, Paolinelli-Devincenzi C, Annovi G, Schurgers L, Vermeer C, Cianciulli P, Ronchetti I, Quaglino D. Ectopic calcification in  $\beta$ -thalassemia patients is associated with increased oxidative stress and lower MGP carboxylation. *Biochim Biophys Acta*.1832(12):2077-84, 2013
14. Boraldi F, Annovi G, Bartolomeo A, Quaglino D. Fibroblasts from patients affected by Pseudoxanthoma elasticum exhibit an altered PPI metabolism and are more responsive to pro-calcifying stimuli. *J Dermatol Sci*. 74(1):72-80, 2014
15. Boraldi F, Bartolomeo A, Annovi G, Debret R, Quaglino D. Magnesium Modifies the Structural Features of Enzymatically Mineralized Collagen Gels Affecting the Retraction Capabilities of Human Dermal Fibroblasts Embedded within This 3D System. *Materials (Basel)*. 15;9(6), 2016
16. Annovi G, Castelfranchi Y, Saviane C, Bellio E, Fontanot D, Buccoliero L, Pitrelli N, Scannapieco G. La maternità nelle comunità online. Nuove pratiche di appropriazione e nuove forme di cittadinanza tecnoscintifica. *Problemi dell'Informazione*, Volume 3 anno 2017, Ed. Il Mulino, pp. 459-486, 2017