

PERSONAL INFORMATION

Elisabetta Rubini

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Date of birth 27/01/1993

EDUCATION AND TRAINING

-
- 11/2017–Present **PhD student in Biochemistry**
Sapienza University of Rome, Rome (Italy)
Research topic: Impact of organochlorine pollutants on signal transduction in human cancer cells and environmental bioremediation strategies.
Tutor: Prof. Fabio Altieri and Prof. Margherita Eufemi
- 12/2017 **Qualified Pharmacist**
State examination for the professional qualification.
- 10/2012–07/2017 **5-years Integrated Master's degree in Pharmaceutical Chemistry and Technologies**
Sapienza University of Rome, Rome (Italy)
Thesis title: Studies on the correlation between the protein STAT3, energy metabolism and hormone resistance in human prostate cancer.
Supervisor: Prof. Margherita Eufemi
Finale grade: 110/110 cum laude
- 03/2017–07/2017 **Student-collaboration scholarship**
Sapienza University of Rome, Rome (Italy)
Laboratory assistant
Department of Biochemical Sciences "A.Rossi-Fanelli"
- 07/2016–01/2017 **Internship**
"La Martire" Pharmacy, Rome (Italy)
Mandatory internship required for the completion of the degree.
- 03/2016–12/2016 **Student-collaboration scholarship**
Sapienza University of Rome, Rome (Italy)
Chemistry tutor for Medicine and Surgery students and for Medicine and Dentistry students
Department of Biochemical Sciences "A.Rossi-Fanelli"
- 09/2007–07/2012 **High school diploma**
Liceo Classico Augusto, Rome (Italy)
Final grade: 96/100

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B1	B2
FCE (B2)					
French	A2	A2	A1	A1	A1
DELFI (A1)					

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

Organisational / managerial skills Teamwork ability, communication, time management, initiative gained working in a laboratory of biochemistry.

Job-related skills Cell culture, protein extraction from cells and FFPE tissues, SDS-page, immunoblot, immunofluorescence on cells and tissues, RNA extraction from cells and tissues, FFPE tissues dewaxing and antigen retrieval, PCR and RT-qPCR, flow cytometry.

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem-solving
	Independent user	Independent user	Basic user	Basic user	Basic user

Digital skills - Self-assessment grid

User: Macintosh, Microsoft Windows.

Editing: Microsoft Word, Microsoft PowerPoint, Pages, Keynote, OpenOffice, Adobe Acrobat, ChemDraw, Photo Editing.

Data Analysis and Graphing Software: Microsoft Excel, Gene Expression analysis for iCycler iQ real-time PCR detection system software-BioRad,

Image Analysis Software: ImageLab (Bio-Rad Laboratories), ImageJ, Leica LAS AF, Image Analysis Software.

ADDITIONAL INFORMATION

Memberships SIB, Italian Society of Biochemistry and Molecular Biology

Publications Cocchiola, R.; Rubini, E.; Altieri, F.; Chichiarelli, S.; Paglia, G.; Romaniello, D.; Carissimi, S.; Giorgi, A.; Giamogante, F.; Macone, A.; Perugia, G.; Gurtner, A.; Eufemi, M. STAT3 Post-Translational Modifications Drive Cellular Signaling Pathways in Prostate Cancer Cells. *Int. J. Mol. Sci.* **2019**, *20*, 1815. doi: 10.3390/ijms20081815

Rubini, E.; Altieri, F.; Chichiarelli, S.; Giamogante, F.; Carissimi, S.; Paglia, G.; Macone, A.; Eufemi, M. STAT3, a Hub Protein of Cellular Signaling Pathways, Is Triggered by β -Hexachlorocyclohexane. *Int J Mol Sci.* **2018** Jul 20;19(7). pii: E2108. doi: 10.3390/ijms19072108.

Honours and awards *YSF Grant*
 Financial support from FEBS to the participation in the 18th FEBS Young Scientists' Forum and 43rd FEBS Congress held in Prague (July 2018).

Diploma prize "Cav. Ing. Luigi Magrini" (October 2012)
 A.N.L.A. Schneider Electric – Magrini Bergamo Group

Courses *Organoids: Intestinal & Lung*
CamBioScience practical course
11th-12th April 2019, Homerton College
University of Cambridge (UK)

CRISPR Genome Editing: Design & Strategies
CamBioScience practical course
8th-9th April 2019, Homerton College
University of Cambridge (UK)

Conference contribution *"The role of AhR signalling pathways triggered by b-HCH in the progression of prostate cancer"* Rubini E., G. Paglia, F. Giamogante, S. Carissimi, V. Meconi, V. Pantaleone, R. Ponza, S. Chiachiarelli, F. Altieri, Eufemi M.
XV FISV congress (18-21 September 2018), Sapienza University, Rome (Italy)

"STAT3 is a hub protein of cellular signalling pathways triggered by persistent organochlorine pollutants (POPs)". Rubini E., Giamogante F., Carissimi S., Grieco M., Paglia G., Capauto S., Tedeschi F., Meconi V., Altieri F., Chichiarelli S., Eufemi M.
18th FEBS Young Scientists' Forum (4-7 July 2018) and 43rd FEBS Congress (7-12 July 2018), Prague, Czech Republic.

"Cross-talk between organochlorine pollutants and hormone-resistance in human prostate cancer"- Rubini E., Paglia G., Giamogante F., Chichiarelli S., Carissimi S., Capauto S., Tedeschi F., Meconi V., Altieri F., Eufemi M. National Ph.D. Meeting, 22-24 March 2018, Salerno (Italy)

References References available on request.