

PERSONAL INFORMATION

Stefania Fochi

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WORK EXPERIENCE/
DIDACTIS

15/06/2018 - now

Research Fellow

University of Verona, Dep. of Neurosciences, Biomedicine and Movement Sciences, 8 Strada le Grazie, 37134 Verona, Italy

Research interest: Identification and characterization of biomarkers associated with neurodegenerative and aging diseases.

11/2014 – 11/05/2018

Ph.D. in Applied Life and Health Sciences

University of Verona, Dep. of Neurosciences, Biomedicine and Movement Sciences, Section of Biology and Genetics, 8 Strada le Grazie, 37134 Verona, Italy

Research interest: Study of gene expression mechanisms of regulation in cell models, related to oncogenesis, intracellular pathways and Virus-host interaction.

Skills: Cell culture, cell transfection (liposome, electroporation, nucleofection-based transfection system), protein expression analyses (western blot), protein-protein interaction analyses (immunoprecipitation assays), immunofluorescence and confocal microscopy analyses, luciferase reporter gene assays, CRISPR/Cas9 system for genome editing, PCR, cloning, PBMCs isolation from whole blood, characterization of biomarkers, ligand-receptor binding studies. Application of medical statistics using STATA and R software.

01/2018

Laboratory activities for Medicine and Surgery students

12/2016-02/2017

Period abroad during the Ph.D. course

Ecole Normale Supérieure de Lyon (ENS), Centre International de Recherche en Infectiologie – France.

Internships:

10/2012 – 07/2013

- Regional Hospital S. Anna - Department of Medical Sciences, Section of Endocrinology 8, Aldo Moro Street, 44124 Cona - Ferrara

10/2011 – 03/2012

- University of Ferrara - Department of Medical Sciences, Section of Pharmacology Fossato di Mortara Street, 44124 Ferrara

EDUCATION

11/2014 – 11/05/2018

Ph.D. in Applied Life and Health Sciences

University of Verona, Dep. of Neurosciences, Biomedicine and Movement Sciences, Section of Biology and Genetics, 8 Strada le Grazie, 37134 Verona, Italy

Thesis: *HTLV Tax, HBZ and APH-2 regulatory protein interaction with host cell factors: implications for NF-κB pathway deregulation and tumorigenesis*

- 01/2015-08/2015 **Teaching qualification**
Teaching of scientific subjects in high school.
- 02/2014 – 10/2014 **Master in Forensic Genetics**
University of Tor Vergata, 1 Montpellier street, 00133 Rome (Italy)
- 11/2013 **Professional Practice Exam**
University of Urbino “Carlo Bo”, 2, Aurelio Saffi Street - 61029, Urbino (PU) - Italy
- 09/2011 – 18/07/2013 **Master’s degree in Biomolecular and Cellular Science**
grade 110/110
University of Ferrara, 9, Savonarola Street - 44121, Ferrara – Italy
Thesis: *Study of the role of GHR in chemoresistance of endometrial cancer*
- 09/2007 -22/03/2011 **Bachelor degree in Biological Science** grade 108/110
University of Ferrara, via Savonarola, 44121, Ferrara – Italy
Thesis: *The allosteric modulation of the adenosine A1 receptor: receptor binding in vitro*

Mother tongue(s) italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
english	B2	B2	C1	C1	B2
french	B2	B2	C1	C1	B2
german	A2	A1	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference for Languages](#)

PUBLICATIONS

1. **Stefania Fochi**, Simona Mutascio, Umberto Bertazzoni, Donato Zipeto, Maria Grazia Romanelli (2018). *HTLV deregulation of the NF- κ B pathway: an update on Tax and antisense proteins role*. Front. Microbiol. 9:285 doi: 10.3389/fmicb.2018.00285
2. Louise Dubuisson, Florence Lormières, **Stefania Fochi**, Jocelyn Turpin, Amandine Pasquier, Estelle Douceron, Anaïs Oliva, Ali Bazarbachi, Valérie Lallemand-Breitenbach, Hugues De Thé, Chloé Journo, Renaud Mahieux (2018). *Stability of HTLV-2 Antisense Protein is Controlled by PML Nuclear Bodies in a SUMO-Dependent Manner*. Oncogene. doi: 10.1038/s41388-018-0163-x.
3. **Stefania Fochi**, Simona Mutascio, Francesca Parolini, Donato Zipeto, Maria Grazia Romanelli (2017). *HTLV antisense proteins role in the NF- κ B modulation*. Virol Res J. Volume 1 Issue 3.

CONFERENCES AND WORKSHOPS

Oral presentation

1. **Stefania Fochi**, Elisa Bergamo, Michela Serena, Donato Zipeto, Maria Grazia Romanelli “*HTLV-1 and HTLV-2 Tax, HBZ and APH-2 interaction with host factors: their involvement in cellular pathways regulation.*” HERN, HTLV European Research Network 2016, Bucarest, Romania. 20-22.05.2016.

2. **Stefania Fochi**, Simona Mutascio, Francesca Parolini, Donato Zipeto, Maria Grazia Romanelli "*HTLV-1 basic leucin zipper factor and its homologous APH-2 impair NF- κ B activation mediated by the viral oncoprotein Tax*". Associazione Italiana di Biologia e Genetica, PhD Meeting Santa Margherita Ligure, Italy. 11-13.05.2017.

Conferences contributions

1. Elisa Bergamo, Erica Diani, **Stefania Fochi**, Pamela Lorenzi, Michela Serena, Donato Zipeto, Maria Grazia Romanelli "*The human T-cell leukemia virus -2 (HTLV-2) antisense protein APH-2 interacts with p65 and inhibits NF- κ B Tax-2 activation*." Società Italiana di Biofisica e Biologia Molecolare, SIBBM Meeting, Turin, Italy. 01-03.07.2015.
2. Oncogenic Viruses Workshop, Padova, Italy. 25-26.09.2015.
3. **Stefania Fochi**, Elisa Bergamo, Michela Serena, Pamela Lorenzi, Donato Zipeto, Maria Grazia Romanelli. "*Functional role of HTLV Tax, HBZ and APH-2 regulatory proteins on cellular autophagy pathway*." PhD-Day Meeting, University of Verona, Italy. 01.2016.
4. **Stefania Fochi**, Elisa Bergamo, Michela Serena, Donato Zipeto, Maria Grazia Romanelli "*Human T-cell leukemia virus HBZ and APH-2 antisense proteins interaction with host factors and their involvement in NF- κ B activation*." Società Italiana di Biofisica e Biologia Molecolare, SIBBM Meeting Naples, Italy. From Genomes to Functions. 16-18.06.2016.
5. **Stefania Fochi**, Elisa Bergamo, Michela Serena, Francesca Parolini, Simona Mutascio, Donato Zipeto, Maria Grazia Romanelli. "*The interplay between HTLV proteins and cellular factors: impact on the NF- κ B cell signaling*." PhD-Day, University of Verona, Italy. 12.2017.
6. Francesca Parolini, Simona Mutascio, Michela Serena, **Stefania Fochi**, Maria Grazia Romanelli, Donato Zipeto "*CRISPR/Cas9 as a powerful tool for genome editing*". Convegno primavera dermatologica, Bucarest, Romania 29.03-02.04.2017.
7. **Stefania Fochi**, Simona Mutascio, Francesca Parolini, Donato Zipeto, Maria Grazia Romanelli "*A CRISPR/Cas9 based approach to study the implication of HTLV regulatory proteins in the NF- κ B modulation*". Association of Cell Cultures meeting "The future of cancer therapy: the genome editing era", Catanzaro, Italy. 07-09.06.2017.
8. Francesca Parolini, Simona Mutascio, Michela Serena, **Stefania Fochi**, Maria Grazia Romanelli, Donato Zipeto "*CRISPR/Cas9 for the Study of the Interactions between Viruses and Host*" Association of Cell Cultures meeting "The future of cancer therapy: the genome editing era", Catanzaro, Italy. 07-09.06.2017.
9. **Stefania Fochi**, Simona Mutascio, Francesca Parolini, Donato Zipeto, Maria Grazia Romanelli "*Host-virus interactions: HTLV antisense regulatory proteins play a role in the dysregulation of NF- κ B pathway*". Società Italiana di Biofisica e Biologia Molecolare, SIBBM Meeting, Milan, Italy. From Single Cells to 3D-Cell Culture. 14-16.06.2017.
10. Francesca Parolini, Simona Mutascio, Michela Serena, **Stefania Fochi**, Maria Grazia Romanelli, Donato Zipeto "*CRISPR/Cas9 to study virus-host interactions*". Società Italiana di Biofisica e Biologia Molecolare, SIBBM Meeting, Milan, Italy. From Single Cells to 3D-Cell Culture. 14-16.06.2017.
11. F. Ferrarini, F. Martinetto, R. Galavotti, **S. Fochi**, P. Lorenzi, C. Di Gaetano, B. Pardini, A. Naccarati, D. De Pietri Tonelli, M. G. Romanelli, P. M.-J. Lievens "*Characterization of FOXP2- Δ 11, a novel alternatively spliced product of FOXP2 gene*." Società Italiana di Biofisica e Biologia Molecolare, SIBBM Meeting, Milan, Italy. From Single Cells to 3D-Cell Culture. 14-16.06.2017.
12. **Stefania Fochi**, Simona Mutascio, Francesca Parolini, Donato Zipeto, Maria Grazia Romanelli "*HTLV antisense proteins role in the NF- κ B modulation*." International Virology Conference, Toronto, Canada. 30-31.10.2017.

Awards and Grants

1. **Stefania Fochi**, Elisa Bergamo, Michela Serena, Donato Zipeto, Maria Grazia Romanelli "*Human Tcell leukemia virus HBZ and APH-2 antisense proteins interaction with host factors and their involvement in NF- κ B activation*." Società Italiana di Biofisica e Biologia Molecolare, SIBBM Meeting Naples, Italy. From Genomes to Functions. 16-18.06.2016 (**best poster**).
2. **Stefania Fochi**, Elisa Bergamo, Michela Serena, Francesca Parolini, Simona Mutascio, Donato Zipeto, Maria Grazia Romanelli. "*The interplay between HTLV proteins and cellular factors:*

impact on the NF- κ B cell signaling." PhD-Day, University of Verona, Italy. 12.2017 (**best poster**).

3. **Stefania Fochi**, Simona Mutascio, Francesca Parolini, Donato Zipeto, Maria Grazia Romanelli "A CRISPR/Cas9 based approach to study the implication of HTLV regulatory proteins in the NF- κ B modulation". Association of Cell Cultures meeting "The future of cancer therapy: the genome editing era", Catanzaro, Italy. 07-09.06.2017 (**best poster**).
4. 2016 Cooperint
5. 2017 Travel grant AICC
6. 2017 Travel grant SIBBM