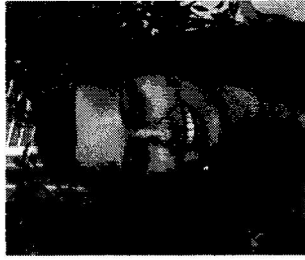


PERSONAL INFORMATION

**Elisa Ruffo**CURRENT POSITION
11/2013–PRESENT

PhD student
Program in Sciences and Medical Biotechnology, Università del Piemonte Orientale, Dept. of Translational Medicine, laboratory of Biochemistry and Molecular Biology, Novara (Italy).

WORK EXPERIENCE

01/2016- 12/2016

Visiting PhD student for a collaboration research project
Attended the laboratory of Prof. Andrew L. Snow at USUHS, Bethesda (USA)

11/2015- 01/2016

Tutoring
Biochemistry Tutor, Laboratory of Biochemical Methodologies and Proteomics, degree in Biotechnologies, Department of Health Sciences of the Università del Piemonte Orientale

From 01/2015- present

PhD student representative
Student Representative at the Department of Translational Medicine, Università del Piemonte Orientale

09/2014-04/2015

Tutoring
Stoichiometry Tutor, Chemistry and Propaedeutic Biochemistry, School of Medicine, Università del Piemonte Orientale
Chemistry Tutor, Chemistry and Propaedeutic Biochemistry, degree course in Nursing, Università del Piemonte Orientale

09/2011–07/2013

Traineeship
Laboratory of Biochemistry and Molecular Biology, Dept. of Translational Medicine, Università del Piemonte Orientale A.Avogadro, Novara (Italy)

07/2012–09/2012

Collaboration for a research project
Attended the laboratory of Prof. Andrew L. Snow at USUHS and of Pam Schwartzberg at NIH in Bethesda (USA) funded by a scholarship issued by the Università del Piemonte Orientale, Novara (Italy)

09/2010–07/2011

Under-graduate internship
Laboratory of Biochemistry and Molecular Biology, Dept. of Translational Medicine, Università del Piemonte Orientale, Novara (Italy)

06/2008–09/2010

Administrative assistant secretary (in summers).

Local Firm, Verbania (Italy)

2003–2007
Lead animator (volunteer, in summers).
Oratory of Madonna di Campagna, Verbania (Italy)

EDUCATION AND TRAINING

09/2011–07/2013
Master Degree in Medical Biotechnologies (110/110 cum laude)
Università del Piemonte Orientale, Novara (Italy)
Thesis's title: Inhibition of Diacylglycerol kinase alpha rescues restimulation induced cell apoptosis in XLP T lymphocytes
EQF level 7

09/2008–07/2011
Bachelor Degree in Biotechnologies (110/110 cum laude)
Università del Piemonte Orientale, Novara (Italy)
Discussion based on the role of different isoforms of DGK (diacylglycerol kinase) in migration and proliferation in Kaposi's sarcoma cells (Baldanzi et al., 2011)
EQF level 6

09/2003–07/2008
High school degree (matura degree) with specialization in scientific subjects.
Liceo Bonaventura Cavallieri, Verbania (Italy)
EQF level 4

PERSONAL SKILLS

Mother tongue(s)
Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

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

Communication skills

Excellent in communication skills and in work in teams mainly acquired during the internship at university as under-graduate and graduate student, during the collaboration in USA at USUHS and NIH (July-October 2012) laboratories and summer jobs.

Organisational / managerial skills

Excellent organizational skills of labor and management of working plans, both individual and group, acquired during training periods for which it has required a lot of self-employment in the integrated group work.

Job-related skills

- Isolation and purification of lymphocytes CD8-CD4 from human blood and lymph nodes and spleen of murine model (SAP KO, DGK α KO)
- ELISA IL-4 and IL-2
- Primary cell cultures and continuous cell lines
- Invasion assay, wound-healing, chemotaxis assay
- RNA preparation and analysis
- PCR, RT-PCR, real-time PCR, Electrophoresis of nucleic acids
- Western blotting, SDS-PAGE

- Immunoprecipitation, Immunoblotting
 - Transfections with si-RNA
 - Flow Cytometry (FACS caliber BD, C6 accury)
 - Activities of animal enclosure.
 - Management of a colony of SAP, DGKA KO mice
 - Generation of mice double KO
 - Couplings
 - Weaning
 - Genotyping of mice
-
- OFFICE PACKAGE: Word, Excel, Power Point
 - OPERATIVE SYSTEMS: Windows, Mac
 - INTERNET BROWSERS: Internet Explorer, Google Chrome and Safari.
 - GRAFIC PROGRAMS: Photoshop, GIMP.
 - BIOINFORMATIC SOFTWARE: Quantity one, Image Lab, CellQuest pro, software analysis real-time PCR (Bio-Rad CFX Manager), FlowJo, FlowingSoftware
 - SCIENTIFIC DATA BASE: PubMed, NCBI, BLAST, FASTA.

Computer skills

SCIENTIFIC PUBLICATIONS

01/13/2016

Inhibition of diacylglycerol kinase α restores restimulation-induced cell death and reduces immunopathology in XLP-1.

Ruffo E, Malacarne V, Larsen SE, Das R, Patrussi L, Wülfing C, Biskup C, Kapnick SM, Verbist K, Tedrick P, Schwartzberg PL, Baldan CT, Rubio I, Nichols KE, Snow AL, Baldanzi G, Graziani A. *Sci Transl Med.* 2016 Jan 13;8(321):321ra7. doi: 10.1126/scitranslmed.aad1565. Impact factor 2016: 16.2

06/2/2014

The diacylglycerol kinase α /atypical PKC/ β 1 integrin pathway in SDF-1 α mammary carcinoma invasiveness.

Rainero E, Cianfone C, Porporato PE, Chianale F, Malacarne V, Bettio V, Ruffo E, Ferrara M, Benecchia F, Capello D, Paster W, Locatelli I, Bertoni A, Filigheddu N, Sinigaglia F, Norman JC, Baldanzi G, Graziani A. *PLoS One.* 2014 Jun 2;9(6):e97144. doi: 10.1371/journal.pone.0097144. eCollection 2014. Impact factor: 4.17

PARTICIPATION TO CONFERENCES

05/02/2016-05/19/2016

USU Research Days 2016
"INHIBITION OF DIACYLGLYCEROL KINASE ALPHA RESTORES TCR-INDUCED DIACYLGLYCEROL SIGNALING AND RESTIMULATION-INDUCED CELL DEATH IN XLP-1 T LYMPHOCYTES"

10/27/2015-10/28/2015

Experience WOW Cytometry Attune™ Nxt Experience day, University of Modena, Italy.

08/20/2015-08/24/2015

Workshop "Genetic control of immune cell activation. Implications for pathogenesis of disease, 14th Nordic meeting on genetics and pathogenesis of immunopathological disease", Henningsvæ, Lofoten, Norway
Oral presentation: "INHIBITION OF DIACYLGLYCEROL KINASE ALPHA RESTORES TCR-INDUCED DIACYLGLYCEROL SIGNALING AND RESTIMULATION-INDUCED CELL DEATH IN XLP-1 T LYMPHOCYTES"

Awarded a travel bursary from EC/EJL for participation at the workshop

06/25/2015

Training course "Le Marie Sktodowska-Curie (MSCA) in Horizon 2020", Novara, Italy

11/03/2014-11/04/2014

A symposium for researcher and clinicians on XLP and WAS, London, England.
"Inhibition of Diacylglycerol kinase alpha rescues TCR-induced diacylglycerol signaling and restimulation induced cell death in XLP lymphocytes"

- 10/23/2014-10/24/2014
 SILCA - SSAI Joint Workshop, "Imaging the Immune system", San Raffaele, Milan, Italy.
 "Inhibition of Diacylglycerol kinase alpha rescues restimulation induced cell death in XLP T lymphocytes and prevents aberrant CD8+ expansion in LCMV-infected SAP -/- mice"
 V. Malacarne*, E. Ruffo, L. Patrussi, K.E. Nichols, I. Rubio, A.L. Snow, G. Baldanzi and A. Graziani.
- 06/09/2014-06/13/2014
 SIB, Società Italiana di Biochimica e Biologia Molecolare
 "26^a RIUNIONE NAZIONALE "A. Castellani" DEI DOTTORANDI DI RICERCA IN DISCIPLINE BIOCHIMICHE", Brallo di Pregola, Italy.
 "SAP-MEDIATED INHIBITION OF DIACYLGLYCEROL KINASE ALPHA REGULATES TCR-INDUCED DIACYLGLYCEROL SIGNALING AND RESTIMULATION INDUCED APOPTOSIS IN XLP PATIENTS"
E.Ruffo, G.Baldanzi, V.Malacarne, K.E. Nichols, L.Patrussi, C.T.Baldari, I.Rubio, C. Wuelfling, A.L. Snow and A.Graziani.
- 05/17/2014-05/21/2014
 EMBO conference, Lymphocyte Signalling, Bertinoro, Italy.
 "SAP-MEDIATED INHIBITION OF DIACYLGLYCEROL KINASE ALPHA REGULATES TCR-INDUCED DIACYLGLYCEROL SIGNALING AND RESTIMULATION INDUCED APOPTOSIS IN XLP PATIENTS"
E.Ruffo, G.Baldanzi, V.Malacarne, K.E. Nichols, L.Patrussi, C.T.Baldari, I.Rubio, A.L. Snow and A.Graziani.
 Awarded a EFIS scholarship
- 05/05/2014-05/08/2014
 50th FEBS, Biochemistry society- Advancing Molecular Bioscience, Membrane, Morphology and Function, Hotel del Carneriengo, Fara San Martino, Abruzzo, Italy.
 1) "SAP-MEDIATED INHIBITION OF DIACYLGLYCEROL KINASE ALPHA REGULATES TCR-INDUCED DIACYLGLYCEROL SIGNALING AND RESTIMULATION INDUCED APOPTOSIS IN XLP PATIENTS"
E.Ruffo, G.Baldanzi, V.Malacarne, K.E. Nichols, L.Patrussi, C.T.Baldari, I.Rubio, A.L. Snow and A.Graziani.
 2) "The Diacylglycerol Kinase α Atypical PKC/ β 1 Integrin Pathway in SDF-1 α Mammary Carcinoma Invasiveness"
 G.Baldanzi, E.Rainero, C.Ciarfione, P.E. Porporato, F.Chianale, E.Ruffo, V.Malacarne, J.C. Norman, F.Sinigaglia and A.Graziani.
- 03/29/2014
 ABCD (Associazione di Biologia Cellulare e del Differenziamento)
 "Forum stem cell therapy: hype or hope?", Lugano, Switzerland.
- 10/29/2013
 IRCAD (Interdisciplinary Research Center for Autoimmune Disease), Multiple Sclerosis, the IRCAD research in the International context", Novara, Italy.
 "SAP-mediated inhibition of Diacylglycerol kinase alpha regulates TCR-induced diacylglycerol signaling and restimulation induced cell death in XLP patients"
 G Baldanzi, E.Ruffo, V Malacarne, KE Nichols, L Patrussi, CT Baldari, A Snow and A Graziani.
- 09/18/2013-09/20/2013
 57th National meeting of the Italian Society of Biochemistry and Molecular Biology, Ferrara, Italy.
 "SAP-mediated inhibition of Diacylglycerol kinase alpha regulates TCR-induced diacylglycerol signaling and restimulation induced cell death in XLP patients"
 G Baldanzi, E.Ruffo, V Malacarne, KE Nichols, L Patrussi, CT Baldari, A Snow and A Graziani.
- 08/22/2013-08/27/2013
 15th ICI (International Congress of Immunology), Milan, Italy
 "Sap-mediated inhibition of Diacylglycerol Kinase Alpha regulates TCR-induced Diacylglycerol signaling and restimulation induced apoptosis"
 G Baldanzi, E.Ruffo, V Malacarne, KE Nichols, L Patrussi, CT Baldari, A Snow and A Graziani.
- 03/11/2013-03/13/2013
 XVII TELETHON CONVENTION, Riva del Garda, Italy.
 "Sap-mediated inhibition of Diacylglycerol Kinase Alpha regulates TCR-induced Diacylglycerol signaling and restimulation induced apoptosis"
 G Baldanzi, E.Ruffo, V Malacarne, KE Nichols, L Patrussi, CT Baldari, A Snow and A Graziani.
- 12/06/2012
 IRCAD (Interdisciplinary Research Center for Autoimmune Disease),The research on autoimmune diseases from bench to bedside: focus on Rheumatoid Arthritis, Novara, Italy.
 "The inhibition of Diacylglycerol Kinase alpha (DGKa) restores the restimulation induced apoptosis in T lymphocytes of XLP patients: DGKa a new pharmacological target for autoimmunity?"
 G Baldanzi, E.Ruffo, A Snow and A Graziani.
- 10/08/2012
 XLP symposium: a conference for medical researchers on X-linked lymphoproliferative disease" London, England.
 "SAP-Mediated inhibition of diacylglycerol kinase alpha regulates TCR-induced diacylglycerol signalling"
 G Baldanzi, E.Ruffo, A Snow and A Graziani.

Novara, January 2017

Elisa Rufio



Autorizzo il trattamento dei dati personali ai sensi del D. Lgs. 196/2003.
I authorize the processing of personal data.