

PERSONAL INFORMATION

Oliviero Marinelli (Italia) oliviero.marinelli@unicam.it

WORK EXPERIENCE

01/12/2019–Present

University research assistant

University of Camerino, Camerino (Italia)

Fellowship in Molecular Pathology (MED/46)

Main research interest: Evaluation of CBD role in primary human endometrial cancer cell lines

13/02/2019–Present

Participant to project "Ossigeno ozonoterapia in combinazione con cannabidiolo e melatonina nell'adenocarcinoma duttale pancreatico umano"

University of Camerino

Project granted by Fondazione Maria Guarino Amor Onlus

13/02/2019–Present

Participant to project "CBD role in endometrial cancer; pre-clinic experimentation for develop of new formulation and potential use in vivo study"

University of Camerino

Project granted by Enecta srl

13/02/2019–Present

Participant to project "Plant cannabinoids in regulating tumor-associated antigens in multiple myeloma"

University of Camerino

Project granted by ENTOURAGE BIOSCIENCES

21/12/2018–Present

Participant to project "HEMP AGAINST PESTS. Cannabis sativa by-products as a source of repellents and insecticides. Hemp derivatives-based new formulations for effective, safe and eco-friendly applications in human health and agriculture"

University of Camerino, Camerino (Italia)

Project granted by FAR UNICAM 2018

28/08/2018–Present

Participant to Project: BHAS: Bioactive Hemp Agriculture Support

University of Camerino, Camerino (Italia)

Project granted by Regione Marche "Reg. (UE) n. 1305/2013 –

Programma di Sviluppo Rurale della Regione Marche 2014/2020 – Bando Sottomisura

16.1 Operazione A "Sostegno alla creazione e al funzionamento di Gruppi Operativi del PEI-Azione 2 -Finanziamento dei Gruppi Operativi"-

01/03/2017–Present

University teaching assistant

University of Camerino, Camerino (Italia)

- Lessons about laboratory methods, immunotherapy (6 hours) General Pathology (MED46) (School of Pharmacy)
- Co-supervisor of 11 experimental thesis in Pathology (School of Pharmacy)

01/12/2016–06/03/2020

Ph.D student

University of Camerino, Camerino (Italy)

- Research activity in molecular biology and cellular biotechnology
- Evaluation of new immunological markers in endometrial cancer
- Cell culture, cytotoxic assays, cytofluorimetric analysis, RT-PCR, dd-PCR, western blot, DNA ladder, gene transfection/silencing

Business or sector Professional, scientific and technical activities

01/10/2018–22/12/2018

Visiting Scholar

KU Leuven, Leuven (Belgium)

- Research activity at Gynaecologic Oncology Research Unit at KU Leuven (Catholic University of Leuven)
- Immunohistochemistry, molecular biology

EDUCATION AND TRAINING

01/12/2016–06/03/2020

PhD in Molecular Biology and Cellular Biotechnology

EQF level 8

University of Camerino, Camerino (Italia)

Judgement: Excelent

PhD Thesis entitled "Prognostic role of PD-L2 and TRPV2 in human endometrial cancer and novel integrative therapies"

15/12/2016

Qualification to Pharmacist profession with 323/350

University of Camerino, Camerino (Italia)

01/10/2011–08/07/2016

Master Degree in Chemistry and Pharmaceutical Technologies with 110/110 cum laude

EQF level 7

University of Camerino, Camerino (Italia)

- Experimental thesis in General Pathology with title "Evaluation of thyme extract effects in human normal bronchial and tracheal epithelial cell lines and in human lung cancer cell line" (6 months)

12/09/2006–12/07/2011

High School Diploma with 100/100

EQF level 4

Liceo classico-pedagogico Rinaldini, Ancona (Italia)

PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A1	A2	A1	A1	A1
Diplome d'études en langue française (DELFF) A2					
Spanish	A1	A1	A1	A1	A1

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

Job-related skills

- Cell culture (normal cell lines, cancer cell lines, primary cell lines, 3D culture)
- Cytotoxicity assay (MTT, SRB)

- Cytofluorimetric analysis (Cell cycle analysis, Annexin/PI assay, Proliferation BrdU assay)
- Immunohistochemistry
- RNA extraction, cDNA synthesis, RT-PCR, digital droplet PCR, cell transfection and gene silencing, DNA electrophoresis, Comet Assay, western blot, ELISA
- Migration assay, autophagy

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

- Good knowledge of Office 365 Package
- Good knowledge of software used for data analysis: Cyflogig, GraphPad, Compysyn
- Independent user of database online: CBioportal

ADDITIONAL INFORMATION

Publications

- Aguzzi C, **Marinelli O.** et al. Evaluation of anti-inflammatory and immunoregulatory activities of Stimunex® and Stimunex D3® in human monocytes/macrophages stimulated with LPS or IL-4/IL-13. *Biomed Pharmacother.* 2020 (*Under revision*).
- **Marinelli O.** et al. Biological Function of PD-L2 and Correlation with Overall Survival in Type II Endometrial Cancer. *Front. Oncol.* 2020 (*Under revision*).
- Santoni G, Santoni M, Maggi F, **Marinelli O** and Morelli MB (2020) Emerging Role of Mucolipins TRPML Channels in Cancer. *Front. Oncol.* 10:659. doi: 10.3389/fonc.2020.00659
- Santoni G, Maggi F, Amantini C, **Marinelli O**, Nabissi M and Morelli MB. Pathophysiological Role of Transient Receptor Potential Mucolipin Channel 1 in Calcium-Mediated Stress-Induced Neurodegenerative Diseases. *Front. Physiol.* 2020, 11:251. doi: 10.3389/fphys.2020.00251
- Santoni G, Maggi F, Morelli MB, Santoni M, **Marinelli O.** Transient Receptor Potential Cation Channels in Cancer Therapy. *Med. Sci.* 2019, 7, 108.
- **Marinelli O**, Annibali D, Aguzzi C, Tuyaeerts S, Amant F, Morelli MB, Santoni G, Amantini C, Maggi F, Nabissi M. The Controversial Role of PD-1 and Its Ligands in Gynecological Malignancies. *Front Oncol.* 2019 Oct 15;9:1073. doi: 10.3389/fonc.2019.01073.
- Santoni G, Amantini C, Maggi F, **Marinelli O**, Santoni M, Nabissi M, Morelli MB. The TRPV2 cation channels: from urothelial cancer invasiveness to glioblastoma multiforme interactome signature. *Lab Invest.* 2019 Oct 25. doi: 10.1038/s41374-019-0333-7.
- Santoni G, Morelli MB, Santoni M, Nabissi M, **Marinelli O**, Amantini C. Targeting Transient Receptor Potential Channels by MicroRNAs Drives Tumor Development and Progression. *Adv Exp Med Biol.* 2020;1131:605-623. doi: 10.1007/978-3-030-12457-1_24.
- Santoni G, Morelli MB, **Marinelli O**, Nabissi M, Santoni M, Amantini C. Calcium Signaling and the Regulation of Chemosensitivity in Cancer Cells: Role of the Transient Receptor Potential Channels. *Adv Exp Med Biol.* 2020;1131:505-517. doi: 10.1007/978-3-030-12457-1_20.
- Scheiner M, Dolles D, Gunesch S, Hoffmann M, Nabissi M, **Marinelli O**, Naldi M, Bartolini M, Petralla S, Poeta E, Monti B, Falkeis C, Vieth M, Hübner H, Gmeiner P, Maitra R, Maurice T, Decker M. Dual-Acting Cholinesterase-Human Cannabinoid Receptor 2 Ligands Show Pronounced Neuroprotection in Vitro and Overadditive and Disease-Modifying Neuroprotective Effects in Vivo. *J Med Chem.* 2019 Oct 24;62(20):9078-9102. doi: 10.1021/acs.jmedchem.9b00623.
- Amantini C, Morelli MB, Nabissi M, Piva F, **Marinelli O**, Maggi F, Bianchi F, Bittoni A, Berardi R, Giampieri R, Santoni G. Expression Profiling of Circulating Tumor Cells in Pancreatic Ductal Adenocarcinoma Patients: Biomarkers Predicting Overall Survival. *Front Oncol.* 2019 Sep 10;9:874. doi: 10.3389/fonc.2019.00874.
- Brunetti A, **Marinelli O**, Morelli MB, Iannarelli R, Amantini C, Russotti D, Santoni G, Maggi F, Nabissi M. Isofuranodiene synergizes with temozolomide in inducing glioma cells death.

Phytomedicine. 2019 Jan;52:51-59. doi: 10.1016/j.phymed.2018.09.220.

- Nabissi M, **Marinelli O**, Morelli MB, Nicotra G, Iannarelli R, Amantini C, Santoni G, Maggi F. Thyme extract increases mucociliary-beating frequency in primary cell lines from chronic obstructive pulmonary disease patients. *Biomed Pharmacother*. 2018 Sep;105:1248-1253. doi: 10.1016/j.biopha.2018.06.004.
- Santoni G, Morelli MB, Amantini C, Santoni M, Nabissi M, **Marinelli O**, Santoni A. "Immuno-Transient Receptor Potential Ion Channels": The Role in Monocyte- and Macrophage-Mediated Inflammatory Responses. *Front Immunol*. 2018 Jun 6;9:1273. doi: 10.3389/fimmu.2018.01273.
- **Marinelli O**, Nabissi M, Morelli MB, Torquati L, Amantini C, Santoni G. ICOS-L as a Potential Therapeutic Target for Cancer Immunotherapy. *Curr Protein Pept Sci*. 2018;19(11):1107-1113. doi: 10.2174/1389203719666180608093913.
- Santoni G, Amantini C, Morelli MB, Tomassoni D, Santoni M, **Marinelli O**, Nabissi M, Cardinali C, Paolucci V, Torniai M, Rinaldi S, Morgese F, Bernardini G, Berardi R. High CTLA-4 expression correlates with poor prognosis in thymoma patients. *Oncotarget*. 2018 Mar 30;9(24):16665-16677. doi: 10.18632/oncotarget.24645.
- Dolles D, Hoffmann M, Gunesch S, **Marinelli O**, Möller J, Santoni G, Chatonnet A, Lohse MJ, Wittmann HJ, Strasser A, Nabissi M, Maurice T, Decker M. Structure-Activity Relationships and Computational Investigations into the Development of Potent and Balanced Dual-Acting Butyrylcholinesterase Inhibitors and Human Cannabinoid Receptor 2 Ligands with Pro-Cognitive in Vivo Profiles. *J Med Chem*. 2018 Feb 22;61(4):1646-1663. doi: 10.1021/acs.jmedchem.7b01760.
- Amantini C, Farfariello V, Cardinali C, Morelli MB, **Marinelli O**, Nabissi M, Santoni M, Bonfili L, Cecarini V, Eleuteri AM, Santoni G. The TRPV1 ion channel regulates thymocyte differentiation by modulating autophagy and proteasome activity. *Oncotarget*. 2017 Oct 11;8(53):90766-90780. doi: 10.18632/oncotarget.21798.
- **Marinelli O**, Iannarelli R, Morelli MB, Valisi M, Nicotra G, Amantini C, Cardinali C, Santoni G, Maggi F, Nabissi M (2016). Evaluations of thyme extract effects in human normal bronchial and tracheal epithelial cell lines and in human lung cancer cell line. *CHEMICO-BIOLOGICAL INTERACTIONS*, vol. 256, p. 125-133, ISSN: 0009-2797, doi: 10.1016/j.cbi.2016.06.024
- Garzone AMF, Miele I, Pompilio A, Ciuccarelli F, Andresciani E, Tavoni MA, **Marinelli O**, Moretti V (2016). LA NUTRIZIONE ARTIFICIALE NEL PAZIENTE PEDIATRICO AFFETTO DA DISTURBI DEL COMPORTAMENTO ALIMENTARE. *GIORNALE ITALIANO DI FARMACIA CLINICA*, vol. 30, ISSN: 1120-3749

Oral Presentation

THE INTERNATIONAL RETREAT OF PhD STUDENTS IN IMMUNOLOGY (Camogli, GE) organized by SIICA 5-6/12/2019

PD-L2 expression in endometrial cancer cell lines and biopsies. Biological functions and correlation with overall survival.

Marinelli Oliviero, Annibali Daniela, Amant Frédéric, Morelli Maria Beatrice, Santoni Giorgio, Amantini Consuelo, Maggi Federica, Nabissi Massimo

Posters

Oliviero Marinelli, Daniela Annibali, Frédéric Amant, Massimo Nabissi (2019). Characterization of B7 members expression in endometrial cancer and clinical significance of PD-L2 in type II subtype. In: (a cura di): Bioevents, The Immuno-Oncology 2019 World Congress (Immuno-Oncology2019). vol. The Immuno-Oncology 2019 World Congress (Immuno-Oncology2019), p. 1-39, Tel Aviv-Yafo:BioEvents, Barcelona, 23-24 Maggio 2019

Oliviero Marinelli, Massimo Nabissi, Maria Beatrice Morelli, Consuelo Amantini, Giorgio Santoni (2018). Investigation of Biological Function of Costimulatory b7 Family Members in Endometrial Cancer. In: The Immuno-Oncology 2018 World Congress (Immuno-Oncology2018). p. 1-61, Tel Aviv-Yafo:BioEvents, Vienna, 25-26 Giugno 2018

Review Editor in *Frontiers in Oncology* section Neuro-Oncology and Neurosurgical Oncology Guest Editor Special Issue "Hypoxia and Cancer. Mechanism of Action and Potential Therapeutic Approaches" in *International Journal of Molecular Sciences*

Courses IHC ABCAM training (online) <https://docs.abcam.com/pdf/training/ihc/CABCA000000981080.pdf>