CURRICULUM VITAE ET STUDIORUM

Name: Annalisa Tocci
Date of birth: February, 23, 1994. Place of birth: Rieti, Italy. Citizenship: Italian
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Education

2013: High school diploma. Liceo Scientifico St. Gregorio da Catino, Poggio Mirteto (RI), Italy
2016: Bachelor of *Biological Science*, Summa cum laude. "*Università degli Studi di Roma, La Sapienza*", Rome, Italy
2018: Master Degree of *Genetics and Molecular Biology*, Summa cum Laude. "*Università degli Studi di Roma, La Sapienza*", Rome, Italy
2022: Ph.D in *Innovation in Immuno-mediated and Hematological Disorders*, "*Università degli Studi di Roma, La Sapienza*", Rome, Italy

Professional Experience

Oct 2016 – Oct 2018: Student, Laboratory of microbiology, Dipartimento di Biologia e Biotecnologie "*Charles Darwin*"- Facoltà di Scienze Matematiche, Fisiche e Naturali - *Università degli studi di Roma, La Sapienza*", Rome, Italy, under the supervision of Prof. Bernardini. Research activity focused on the study of Pattern Recognition Receptors (PRRs) in the modulation of the innate immune response against *Shigella flexneri* infection.

Nov 2018 – Apr 2022: Ph.D student, Tumor Immunology and Immunotherapy Unit, "*Regina Elena National Cancer Institute"*, Rome, Italy, under the supervision of Dr. Nisticò. Research activity focused on the characterization of the role of the protein hMena in the complex interaction between tumor cells, cancer associated fibroblast and immune cells in Non-Small-cell-lung-cancer.

Feb 2022 - up to now: AIRC fellowship winner, Tumor Immunology and Immunotherapy Unit, "*Regina Elena National Cancer Institute"*, Rome, Italy, under the supervision of Dr. Nisticò. Research activity focused on the identification of a novel role of hMENA and its splicing isoforms in the regulation of autophagy in tumor cells and subtypes of CAFs with immunosuppressive properties.

PUBLICATIONS:

1. Melchionna R, Trono P, **Tocci A**, Nisticò P. Actin Cytoskeleton and Regulation of TGFβ Signaling: Exploring Their Links. Biomolecules. 2021 Feb 23;11(2):336. doi: 10.3390/biom11020336. PMID:33672325; PMCID: PMC7926735.
2. Spada S, **Tocci A**, Di Modugno F, Nisticò P. Fibronectin as a multiregulatory molecule crucial in tumormatrisome: from structural and functional features to clinical practice in oncology. J Exp Clin Cancer Res. 2021 Mar 17;40(1):102. doi: 10.1186/s13046-021-01908-8. PMID: 33731188; PMCID: PMC7972229.
3. Trono P, **Tocci A**, Musella M, Sistigu A, Nisticò P. Actin Cytoskeleton Dynamics and Type I IFN-Mediated Immune Response: A Dangerous Liaison in Cancer? Biology (Basel) (2021);10(9):913. doi: 10.3390/biology10090913. PMID: 34571790; PMCID: PMC8469949.
4. Trono P*, **Tocci A***, Palermo B, D'Ambrosio L, Di Carlo A, De Nicola F, Goeman F, Corleone G, Marchesi F, Hiscott J, Carpano S, Gregorc V, Zucali P, Warren S, Di Modugno F , Nisticò P. The actin modulator hMENA11a isoform restrains cancer-specific type-I IFN signaling and identifies ICB response in NSCLC patients. (*Paper in submission*)
   * T.P. and T.A. contributed equally to this work.

Bachelor Degree thesis title: "Emerging role of Caspase-4/Caspase-11 in innate immune response against Bacteria"
Master Degree thesis title: "Impact of TLR2 and NOD1 activation in the invasive process of *Shigella flexneri"*
Ph.D thesis title: "hMENA splicing regulates cancer-specific type-I IFN signaling, pro-tumoral macrophage polarization and resistance to ICB in NSCLC"

Rome, 20-10-2022