

LIST OF PUBLICATIONS

1. **Melaiu O***, Vanni G, Portarena I, Pistolese CA, Anemona L, Pomella S, Bei R, Buonomo OC, Roselli M, Mauriello A, Barillari G*. The combination of immune checkpoint blockade with tumor vessel normalization as a promising therapeutic strategy for breast cancer: an overview of preclinical and clinical studies. *Corresponding author. *Int J Mol Sci.* 2023 Feb 6;24(4):3226.
2. Pomella S†, Cassandri M†, **Melaiu O**, Marampon F, Gargari M, Campanella V, Rota R, Barillari G. DNA Damage Response Gene Signature as Potential Treatment Markers for Oral Squamous Cell Carcinoma. *Int J Mol Sci.* 2023 Jan 31;24(3):2673.
3. Lucarini V. #, **Melaiu O** #, D'Amico S, Pastorino F, Tempora P, Scarsella M, Pezzullo M, De Ninno A, D'Oria V, Cilli M, Emionite L, Infante P, Di Marcotullio L, De Ioris MA, Barillari G, Alaggio R, Businaro L, Ponzoni M, Locatelli F, Fruci D. Lucarini V. Combined mitoxantrone and anti-TGFβ treatment with PD-1 blockade enhances antitumor immunity by remodelling the tumor immune landscape in neuroblastoma. *J Exp Clin Cancer Res.* 2022 Nov 17;41(1):326. #, **Melaiu O** # **joint first position.**
4. Barillari G, **Melaiu O**, Gargari M, Pomella S, Bei R, Campanella V. The Multiple Roles of CD147 in the Development and Progression of Oral Squamous Cell Carcinoma: An Overview. *Int J Mol Sci.* 2022 Jul 28;23(15):8336.
5. D'Amico S, Tempora P, **Melaiu O**, Lucarini V, Cifaldi L, Locatelli F, Fruci D. Targeting the antigen processing and presentation pathway to overcome resistance to immune checkpoint therapy. *Front Immunol.* 2022 Jul 22;13:948297.
6. Vanni G, Pellicciaro M, Materazzo M, **Melaiu O**, Longo B, Cervelli V, Buonomo OC. Neoadjuvant Treatment as a Risk Factor for Variation of Upper Limb Lymph Node Drainage During Axillary Reverse Mapping in Breast Cancer: A Prospective Observational Study. *Anticancer Res.* 2022 Aug;42(8):3879-3888.
7. D'Amico S, D'Alicandro V, Compagnone M, Tempora P, Guida G, Romania P, Lucarini V, **Melaiu O**, Falco M, Algeri M, Pende D, Cifaldi L, Fruci D. ERAP1 Controls the Interaction of the Inhibitory Receptor KIR3DL1 With HLA-B51:01 by Affecting Natural Killer Cell Function. *Front Immunol.* 2021 Nov 30;12:778103.
8. Bussola N*, Papa B*, **Melaiu O**, Castellano A, Fruci D, Jurman G. Quantification of the Immune Content in Neuroblastoma: Deep Learning and Topological Data Analysis in Digital Pathology. *Int J Mol Sci.* 2021 Aug 16;22(16):8804. *first authors.
9. Morani F, Bisceglia L, Rosini G, Mutti L, **Melaiu O**, Landi S, Gemignani F. Identification of Overexpressed Genes in Malignant Pleural Mesothelioma. *Int J Mol Sci.* 2021 Mar 8;22(5):2738.
10. D'Amico S, Tempora P, Lucarini V, **Melaiu O**, Gaspari S, Algeri M, Fruci D. ERAP1 and ERAP2 enzymes: a protective shield for RAS against COVID-19? *Int J Mol Sci.* 2021 Feb 8;22(4):1705.
11. Lucarini V†, **Melaiu O**†, Tempora P, D'Amico S, Locatelli F, Fruci D. Dendritic Cells: Behind the Scenes of T-Cell Infiltration into the Tumor Microenvironment. *Cancers (Basel).* 2021 Jan 23;13(3):433. † = **first author equally contributed.**
12. Veneziani I, Infante P, Ferretti E, **Melaiu O**, Battistelli C, Lucarini V, Compagnone M, Nicoletti C, Castellano A, Petrini S, Ognibene M, Pezzolo A, Di Marcotullio L, Bei R, Moretta L, Pistoia V, Fruci D, Barnaba V, Locatelli F, Cifaldi L. Nutlin-3a Enhances Natural Killer Cell-Mediated Killing of Neuroblastoma by Restoring p53-Dependent Expression of Ligands for NKG2D and DNAM-1 Receptors. *Cancer Immunol Res.* 2021 Feb;9(2):170-183.
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17. Dell'Anno I, Barbarino M, Barone E, Giordano A, Luzzi L, Bottaro M, Migliore L, Agostini S, Melani A, **Melaiu O**, Catalano C, Cipollini M, Silvestri R, Corrado A, Gemignani F, Landi S. EIF4G1 and RAN as Possible Drivers for Malignant Pleural Mesothelioma. *Int J Mol Sci.* 2020 Jul 9;21(14):4856. doi: 10.3390/ijms21144856.
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