

CATERINA GIORDANO

Post Doc

EXPERIENCE

Feb 2025 Present	POST DOC APPLIED BIOLOGY University of Catanzaro, (CZ) Italy Development and validation of CAR-T by nanovector mediated mRNA transfer.
Oct 2023 Dec 2023	RESEARCH PARTNERSHIP Universitätsspital, Basel Switzerland Tumor organoids generation and T cell expansion.
Jul 2022 Jul 2023	RESEARCH PARTNERSHIP Romolo Hospital (KR) Italy Immunorepertoire analysis of prostate cancer.

EDUCATION

2022 2025	PHD IN MOLECULAR ONCOLOGY University of Catanzaro, (CZ) Italy TCR immunorepertoire analysis for the identification of tumor-specific T cells in prostate cancer to personalized medicine.
2018 2021	MASTER'S DEGREE IN MEDICAL, VETERINARY AND PHARMACEUTICAL BIOTECHNOLOGY University of Catanzaro, (CZ) Italy

PUBLICATIONS

Vecchio E, Gallo R, Mimmi S, Gentile D, **Giordano C**, Straface E, Marino R, Caiazza C, Pastore A, Ruocco MR, Arcucci A, Schiavone M, Palmieri C, Iaccino E, Stornaiuolo M, Quinto I, Mallardo M, Martini F, Tognon M, Fiume G. FABP5 is a key player in metabolic modulation and NF-κB dependent inflammation driving pleural mesothelioma. Commun Biol. 2025 Feb 27;8(1):324. doi: 10.1038/s42003-025-07754-0. PMID: 40016284; PMCID: PMC11868402.

Iannone F, Angotti E, Lucia F, Martino L, Antico GC, Galato F, Aversa I, Gallo R, **Giordano C**, Abatino A, Mancuso S, Carinci LG, Martucci M, Teti C, Costanzo F, Cuda G, Palmieri C. The biological variation of serum 1,25-dihydroxyvitamin D and parathyroid hormone, and plasma fibroblast growth factor 23 in healthy individuals. Clin Chim Acta. 2024 Apr 15;557:117863. doi: 10.1016/j.cca.2024.117863. Epub 2024 Mar 11. PMID: 38471629.

Vecchio E, Rotundo S, Veneziano C, Abatino A, Aversa I, Gallo R, **Giordano C**, Serapide F, Fusco P, Viglietto G, Cuda G, Costanzo F, Russo A, Trecarichi EM, Torti C, Palmieri C. The spike-specific TCRβ repertoire shows distinct features in unvaccinated or vaccinated patients with SARS-CoV-2 infection. J Transl Med. 2024 Jan 7;22(1):33. doi: 10.1186/s12967-024-04852-1. PMID: 38185632; PMCID: PMC10771664.

Rotundo S, Vecchio E, Abatino A, **Giordano C**, Mancuso S, Tassone MT, Costa C, Russo A, Trecarichi EM, Cuda G, Costanzo FS, Palmieri C, Torti C. Spike-specific T-cell responses in patients with COVID-19 successfully treated with neutralizing monoclonal antibodies against SARS-CoV-2. Int J Infect Dis. 2022 Nov;124:55-64. doi: 10.1016/j.ijid.2022.09.016. Epub 2022 Sep 16. PMID: 36116671; PMCID: PMC9477616.

POSTER PRESENTATION

29th Meeting of the EAU Section of Urological Research (ESUR23) (Basel, Switzerland)

TCR repertoire and in-silico analysis for the identification of tumor-specific T cells in prostate cancer.

Giordano C., Gallo R., Abatino A., Aversa I., Sarubbi M.C., Piana A., Lauria J., Amodeo A., Malanga D., Alba S., Palmieri C

SKILLS

- Cell culture
- PBMC isolation
- Protein biochemistry
- NGS sequencing
- TCR analysis
- FACS analysis
- DNA/RNA extraction
- T cells expansion
- moDCs Differentiation

LANGUAGES

- English | Advanced