

ANGELICA ZOCCHI

Date of birth: 20/02/1994

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EDUCATION

- November 2020-present:
SEMM PhD student, Experimental Oncology Department, IEO campus (Milan)
Modeling and Targeting Metastatic Cancer Unit
- October 2016 – February 2019:
Master degree in Biomedical Sciences (curriculum oncology), Università degli Studi dell'Insubria (Varese)
Thesis: HMGB1 downmodulation increases radiations-induced DNA damage sensitivity
Grade: 110/110 with honors
- October 2013 – October 2016:
Bachelor degree in Scienze e Tecnologie Biologiche, Università degli Studi dell'Insubria (Varese)
Thesis: Valutazione del ruolo del gene umano RNASET2 nella polarizzazione *in vitro* di cellule macrofagiche
Grade: 107/110
- September 2008-June 2013
Diploma Liceo Classico, Liceo classico Giovanni Pascoli, Gallarate (Varese)

WORK EXPERIENCE

- November 2020-present:
PhD student, Experimental Oncology Department, IEO campus (Milan), Modeling and Targeting Metastatic Cancer Unit
- January 2020 – October 2020:
Research collaborator, FCSR San Raffaele Hospital (Milan), Division of Immunology, Transplantation and Infectious Diseases, Tumor Immunology Unit
- March 2019 - September 2019:
Junior Research fellow, IRCCS San Raffaele Hospital (Milan), Division of Genetic and Cell Biology, Chromatin Dynamics Unit
- January 2018 - February 2019:
Undergraduate Internship, IRCCS San Raffaele Hospital (Milan), Division of Genetic and Cell Biology, In vivo Chromatin and Transcription Unit
- June 2016 – September 2016:
Undergraduate Internship, University of Insubria (Varese), Human Genetics Laboratory

TECHNICAL SKILLS

- **Molecular biology:** DNA and RNA extraction, Reverse transcription reaction, PCR, Real-time PCR, Plasmids purification from bacteria, Lentiviral vectors production and manipulation.
- **Cell biology:** patient-derived xenografts and primary cultures, human and murine cell line cultures, PBMC purification from periferic human blood samples, Proliferation and apoptotic assays, Migration and Invasion assays, Screening
- **Biochemistry:** Protein extraction, Electrophoretic techniques (SDS-PAGE, agarose gel), Western blot, ELISA
- **In vivo:** manipulation, subcutaneous and intradermic transplantation, tumor resection, metastases monitoring, IVIS, oral gavage, intra-peritoneal injection
- **Others:** Flow cytometry, Comet assay

PUBLICATIONS

- Brambilla F. et al, *Nucleosomes effectively shield DNA from radiation damage in living cells*, Nucleic Acids Res., 2020 Sep 18;48(16):8993-9006, doi: 10.1093/nar/gkaa613.

CONFERENCES CONTRIBUTIONS

- Poster presentation: Zocchi A., Marocchi F., Alfieri F., Mohammadi N., Stinà S., Russo G., D'Atri S., Bresin A., Levati L., Lanfrancione L., *Development of novel therapeutic combinations in drug resistant BRAF-mutant melanomas*" at The 19th International Congress of the Society for Melanoma Research, Edinburgh, 17-20 October 2022
- Poster presentation: Zocchi A., Marocchi F., Alfieri F., Mohammadi N., Stinà S., Russo G., D'Atri S., Bresin A., Levati L., Lanfrancione L., *Development of novel therapeutic combinations in drug resistant BRAF-mutant melanomas*" at XX NIBIT Annual Meeting, Padova, Italy, 13-15 October 2022
- Poster presentation: Zocchi A., Marocchi F., Alfieri F., Mohammadi N., Stinà S., Russo G., D'Atri S., Bresin A., Levati L., Lanfrancione L., *Development of novel therapeutic combinations in drug resistant BRAF-mutant melanomas*", at 3rd EurOPDX Workshop, Egmond aan Zee, Netherlands, 27-29 June 2022
- Poster presentation: Zocchi A., Marocchi F., Alfieri F., Mohammadi N., Stinà S., Russo G., D'Atri S., Bresin A., Levati L., Lanfrancione L., *Development of novel therapeutic combinations in drug resistant BRAF-mutant melanomas*" at 15th International PhD Student Cancer Conference 2022", Heidelberg, Germany, 8-10 June 2022
- Poster presentation during the undergraduate internship: Zocchi A., Brambilla F., Bianchi M., Agresti A., *HMGB1 modulates chemosensitivity in cancer cells*, San Raffaele DCGB retreat, September 2018, Castione della Presolana

AWARDS

- 2022 NIBIT Preclinical Best Paper on Melanoma, XX NIBIT Annual Meeting, 13-15 October, Padova