

Nice Turazzi

Personal Information: Address: Via Roma Nord, 89 – Villa Poma (MN) – Italy
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Nationality: Italian
Date of birth: 20/06/1988
Gender: Female

Education:

March 2017 - PhD in Translational and Molecular medicine (DIMET), under the supervision of Prof. Biagi. University of Milano Bicocca, Via Cadore, 38, U8 Building - 20900 Monza, Italy;

February 2013 - Doctor in Medical Biotechnology, second level university degree, under the supervision of Prof. Biagi. Score of 110/110 magna cum laude. University of Milano Bicocca, Via Cadore, 38, U8 Building - 20900 Monza, Italy;

November 2010 - Doctor in Biotechnology, first level university degree, under the supervision of Prof. Roberta Maria Piva. Score of 108/110. University of Ferrara, Department of Biochemistry and Molecular Biology, Via Luigi Borsari, 46 – 44100 Ferrara, Italy.

Research and work experiences:

December 2019 – May 2020: Biologist with Co.Co.Co contract at IEO (Istituto Europeo di Oncologia), Haemato-Oncology diagnostic laboratory directed by Francesco Bertolini.

June 2018 – August 2019: Post Doctoral fellow at the University of Verona. Investigation of the role of proliferating progenitors in the early phases of tumorigenesis. Principal Investigator Vincenzo Bronte. Università degli studi di Verona, Dipartimento di Medicina - sezione di Immunologia, Piazzale L.A. Scuro, 37134, Verona, Italy.

May 2017 – May 2018: Post Doctoral fellow with Co.Co.Co. contract at S. Raffaele Institute. Exploiting Gene Transfer and Gene Editing Technologies to Model Leukemia Immunoediting in Patient-Derived Xenografts. Principal Investigator Luca Vago. Università vita-salute San Raffaele, Via Olgettina Milano, 58, 20132, Italy.

January 2014 – March 2017: Attending the Translational and Molecular Medicine PhD program (DIMET) with fellowship from the Ministry of Education at the “Matilde Tettamanti Research Center” for the study of childhood leukaemia and blood disorders. Supervisors Prof. Ettore Biagi and Andrea Biondi. Clinica Pediatrica Ospedale S. Gerardo Università Milano-Bicocca, Monza, Via Pergolesi, 33 - 20900, Italy. Thesis title “BAFF receptor (BAFF-R) CAR-redirectioned T cells: a novel tool to eradicate high risk B-cell acute lymphoblastic leukemia (B-ALL)”.

February 2013 – December 2013: Fellowship with Co.Co.Co. contract at the “Matilde Tettamanti Research Center”. Immunotherapy approaches based on Sleeping Beauty transposon-mediated gene therapy of Chimeric Antigen Receptors (CARs) for the cure of childhood leukemia. Supervisor Prof. Ettore Biagi.

November 2011 – February 2013 - Undergraduate student at the Department of Medicine and Surgery, University of Milano Bicocca. Thesis title “Sleeping Beauty-mediated gene transfer of chimeric antigen receptors as innovative approach for advanced immunotherapy of childhood myeloid leukemia”. Supervisor Prof. Ettore Biagi.

July 2010 – November 2010 - Undergraduate student at the Department of Biochemistry and Molecular Biology, University of Ferrara. Thesis title "Use of Rotary Cell Culture System bioreactor for 3D culture of human mesenchymal stem cells". Supervisor Prof. Roberta Maria Piva.

Certifications:

2020 - Qualification to practice as a Biologist (section A)

Prizes and Fellowships:

2017 - SIOP Young Investigator Award

2016 - Travel award for XIV SIES national congress

2013 - Fellowship of PhD Program in Translational and Molecular Medicine (DIMET);

Technical skills and competences:

- *In vivo*: intra-peritoneal/intra-venous injection, bone marrow aspiration, oral gavage, bleeding techniques, orthotopic implants, sacrifice and organs collection;
- Isolation of Wharton's jelly mesenchymal stem cells from umbilical cord;
- Use of the *Rotary Cell Culture System bioreactor for 3D culture*;
- Isolation of mononuclear cells from peripheral blood, bone marrow and cord blood by Ficoll/Percoll density gradient;
- Cells purification by immunomagnetic selection and FACS sorting;
- Culture of cell lines, primary human cells;
- T-cell/Monocyte stimulations and Cytokine Induced Killer cells (CIK) generation;
- Short term cytotoxicity assays performance (quantitative assay and AnnexinV/7AAD assay);
- Degranulation assay;
- Proliferation Assays (MTT, CFSE and KI-67);
- Flow cytometry (Canto, Aria, Fortessa, Navios);
- Intracellular and surface cytofluorimetric staining;
- Transient transfection methods;
- Production of retroviral and non-viral (Sleeping Beauty transposon system) vectors and transduction of cell lines and primary cells;
- Transformation of bacteria;
- Purification of plasmidic DNA and DNA restriction analysis;
- RNA and DNA isolation;
- ELISA technique;
- PCR, RT-PCR, RQ-PCR, overlapping PCR;
- In-Fusion System;
- cDNA synthesis;
- Cloning/subcloning DNA;
- LAM PCR technique;
- Beckman coulter AcT for cell count, Windows operating system, MS Office, FlowJo, BD FACSDiva™ Software, Kaluza Software, SDS (Applied Biosystems), GraphPad Prism, Clone Manager, SnapGene, BLAST, ExPASy, Universal ProbeLibrary (Roche), Primer Express Software (Applied Biosystems), Launch Visionworks LS.

Other skills:

- Strong motivation and independence
- to be thorough and pay attention to detail
- excellent written communication skills
- analytical thinking skills
- excellent verbal communication skills
- the ability to work alone
- Team work skills
- Ability to plan and conduct studies and research
- Problem solving
- Ability to organize work and time management
- Excellent flexibility

Publications:

Advanced targeted, cell and gene-therapy approaches for pediatric hematological malignancies: results and future perspectives. Magnani CF, Tettamanti S, Maltese F, Turazzi N, Biondi A, Biagi E. *Frontiers in Oncology*. 2013.

Immunotherapy of acute leukemia by chimeric antigen receptor-modified lymphocytes using an improved Sleeping Beauty transposon platform. Magnani CF, Turazzi N, Benedicenti F, Calabria A, Tenderini E, Tettamanti S, Giordano Attianese GM, Cooper LJ, Aiuti A, Montini E, Biondi A, Biagi E. *Oncotarget*. 2016. IF: 5,17

BAFF-receptor expression in childhood B-cell precursor Acute Lymphoblastic Leukemia: evaluation both at diagnosis and relapse. Fazio G.,Turazzi N., Cazzaniga V.,Kreuzaler M.,Maglia O., Magnani CF., Biagi E., Rolink A.,Biondi A. and Cazzaniga G. *British Journal of Haematology*. 2017. IF: 5,67

BAFF receptor (BAFF-R) CAR-redirected T cells: a novel tool to eradicate high risk B-cell Acute Lymphoblastic Leukemia (B-ALL). Turazzi N., Fazio G., Rossi V., Rolink A., Cazzaniga G., Magnani C.F., Biondi A., Biagi E. *British Journal of Haematology*. 2017. IF: 5,67

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