

BEHNAZ ABDOLLAHZADEH

PERSONAL PROFILE

I am a PhD candidate in molecular medicine with hands-on laboratory experience in all levels of testing, including performance, functional and integration, I am passionate about medical science. I am energetic and dynamic, with strong organizational skills for working in a group and a serious environment.

SKILLS

- Knowledge and experience with RNA/DNA and protein extraction
- PCR, qPCR assays and analysis
- Expertise in cell culture and basic cellular and molecular biology techniques
- ELISA assays
- Perform with tissues from genetically modified mouse models
- Experience in vitro and in vivo suppression assays
- Experience in functional genomics (siRNA)
- Staining and analysis of cell samples by Flow-cytometry
- Separation of cell populations from peripheral blood and murine organs, by both magnetic beads protocols and FACS-assisted cell sorting experiments
- Bioinformatics skills
- Western blot technique
- Experience in handling patient samples
- Acquisition of blood sampling from peripheral venous blood
- Statistical skills working with SPSS
- Bacteriology techniques (Culture of aerobic, microaerophilic and anaerobic microorganisms)
- Gene sequence analysis using softwares such as Clustal W, BLAST, MEGA

LANGUAGE

Mother tongue

- Persian

Other language(s)

- Italian
- English

SCIENTIFIC PUBLICATION

Grazioli P, Orlando A, Giordano N, Noce C, Peruzzi G, Abdollahzadeh B, Screpanti I, Campese AF. Notch-Signaling Dereglulation Induces Myeloid-Derived Suppressor Cells in T-Cell Acute Lymphoblastic Leukemia. Front Immunol. 2022 Apr 4;13:809261. doi: 10.3389/fimmu.2022.809261. PMID: 35444651; PMCID: PMC9013886.

FINANCED RESEARCH GRANTS

- Participant of project titled 'THE INFLUENCE OF TUMOR MICROENVIRONMENT IN THE PROGRESSION OF NOTCH-DEPENDENT T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA: EXPLORING THE ROLE OF THE PD-1/PD-L1 AXIS', protocol #RM12117A71419448, funded by Progetti Medi-Ateneo Sapienza, 2021.
- Winner of the funding of individual research projects for mobility abroad whose title is 'Exploring the possible role of PD1 immune-checkpoint in the treatment of Notch-dependent T-cell acute lymphoblastic leukemia' funded by MIUR_BANDO_PhD_2022 which takes place in Weill Cornell Medical College in New York.

GET IN CONTACT

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WORK EXPERIENCE

• PHD CANDIDATE

2020– Present

PhD student of Molecular Medicine with scholarship in the molecular pathology laboratory, at the Department of Molecular Medicine, "Sapienza" University of Rome (Italy) in the group of Professor Antonio Francesco Campese, PhD

Main research field: on the role of NOTCH signaling: 1) in development of T cell acute leukemia, 2) in generation and function of Myeloid Derived Suppressor Cells, and their crosstalk with NKs, and possibly with other TME cell subsets, such as Tregs and follicular-helper-T-'like' cells 3) in driving the expression of PD1/PD-L1 axis, with a potential role of these molecules in T-ALL immunotherapy.

• RESEARCH ASSISTANT

2019 – 2020 at the Dept. Molecular Medicine, "Sapienza", University of Rome, in the group of Professor Antonio Francesco/Campese, PhD

• RESEARCH INTERNSHIP

2018– 2019 at the Department of Clinical Medicine, Sapienza University of Rome, Italy, in the group of Professor Stefano Ginanni Corradini MD, PhD

Main research field: 1) steatohepatitis (alcoholic and Non-alcoholic); 2) genetic predisposition to liver damage 3) cirrhosis 4) liver cancer

2018 –internship at the research laboratory of Professor Lucia Di Marcotullio at the Department of Molecular Medicine, "Sapienza" University of Rome (Italy)

• CLINICAL ACTIVITIES

2016– clinical assistant activities at the SALAMAT AVAL Medical Center, Tehran (Iran)

2015–2016 clinical activity at the diagnostic laboratory of Hematology and Biochemistry, Akhtar Hospital, Tehran (Iran)

EDUCATION HISTORY

2020– Present: PhD student of Molecular Medicine, University of Sapienza with scholarship

2016–2019: Master Degree in Medical Biotechnology, University of Sapienza, as a scholarship holder from Lazio DiSCo.

Thesis titled "genetic predisposition and possible role of Lysosomal Acid Lipase in the metabolism of fats in the subjects suffering from liver disease of different etiology"

2011–2015: Bachelor Degree of Molecular cell Biology in Microbiology, Azad University, North Tehran Branch, Iran

2010– Diploma in Scientific, Tehran, Iran

TRAINING

Certificate of Training Course on Preclinical Experimentation and Animal Welfare, 1st edition of the Training course (D.M 5 agosto 2021) accredited by the Italian Ministry of Health 0024495–12/10/2022–DGSAF–MDS–P, for obtaining the credits required to perform functions a), b), c), d) e the roles of DV e RCW (d.lgs 26/2014), organized by the Research and Services Centre, Preclinical Testing and Animal Welfare, Sapienza University of Rome

CONFERENCE PRESENTATIONS

- "MDSC/NK CELLS CROSS-TALK IN NOTCH-DEPENDENT T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA: THE POSSIBLE ROLE OF THE PD-1/PD-L1 PATHWAY," at the Gordon Research Conference on Notch Signaling in Development, Regeneration and Disease held 07/17/2022 – 07/22/2022 at Bates College in Lewiston, Maine, United States
- "EXPLORING THE ROLE OF NF-κB1/p50 IN NOTCH-DEPENDENT INDUCTION OF MDSCs IN T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA MICROENVIRONMENT" at "62nd Annual Meeting of the Italian Cancer Society, Venice, 16–18 November 2022".