

# Valentina Pensato, Ph.D.

## EXPERIENCE

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- **Center for Research in Hemato-Oncology (CREO) – University of Perugia**  
Research Fellow  
July 2021 – Present  
Research: Genetics and molecular mechanisms of Hodgkin Lymphoma.
- **Department of Experimental, Diagnostic and Specialty Medicine (DIMES) – Alma Mater Studiorum, University of Bologna**  
Internship at Laboratory of Cell Therapy  
January 2021 – June 2021  
Research: Study of mechanisms of communication between the Acute Myeloid Leukemia Cells, Hematopoietic Stem Cells, and the microenvironment.
- **Department of Biomedical and Neuromotor Sciences (DIBINEM) – Alma Mater Studiorum, University of Bologna**  
Ph.D. student at Laboratory of Cell Therapy  
November 2017 – December 2020  
Research: Study of mechanisms of communication between the Acute Myeloid Leukemia Cells, Hematopoietic Stem Cells, and the microenvironment.
- **James Graham Brown Cancer Center – University of Louisville, KY (USA)**  
Ph.D. visiting student  
October 2019 – March 2020  
Research: The role of inflammation on the mobilization of Hematopoietic Stem Cells.
- **Biology Professional Certificate**  
November 2017-Present
- **Department of Experimental, Diagnostic and Specialty Medicine (DIMES) – Alma Mater Studiorum, University of Bologna**  
Internship at Laboratory of Immunology  
March 2016 – March 2017  
Research: Study of the factors regulating immunological recovery after allogeneic Hematopoietic Stem Cell transplantation.
- **Department of Chemistry, Biology and Biotechnology – University of Perugia**  
Internship at Laboratory of Biochemistry  
October 2013 – July 2014  
Research: Study of phosphatidylserine metabolism modification involved in manganese-induced apoptosis in PC12 cells.

## EDUCATION

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- **Ph.D. – Department of Biomedical and Neuromotor Sciences (DIBINEM)**  
Alma Mater Studiorum, University of Bologna  
November 2017 – December 2020
- **Master's Degree – Molecular and Industrial Biotechnologies**  
Alma Mater Studiorum, University of Bologna  
March 2014-March 2017
- **Bachelor's Degree – Biotechnology**  
University of Perugia  
October 2010-July 2014

## SKILL

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- Cell Therapy, Cellular Biology, Immunology, Biochemistry, Translational Research, Molecular Biology.
- Flow Cytometry
- In vivo models

## PUBLICATIONS

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Pettirossi V., Venanzi A., Spanhol-Rosseto A., Schiavoni G., Santi A., Tasselli L., Naccari M., **Pensato V.**, Pucciarini A., Martelli M.P., Drexler H., Falini B., Tiacci E. “The gene mutation landscape of acute myeloid leukemia celllines and its exemplar use to study the BCOR tumor suppressor”, *Leukemia* (2023) <https://doi.org/10.1038/s41375-022-01788-7>

Adamiak M., Bujko K., Thapa A., **Pensato V.**, Brzezniakiewicz-Janus K., Ratajczak J., Davis D., Ulrich H., Kucia M., Ratajczak M.Z. “The P2X4 purinergic receptor has emerged as a potent regulator of hematopoietic stem/progenitor cell mobilization and homing – a novel view of P2X4 and P2X7 receptor interaction in orchestrating stem cell trafficking”, *Leukemia* (2021)

Salvestrini V., Ciciarello M., **Pensato V.**, Simonetti G., Laginestra M.A., Bruno S., Pazzaglia M., De Marchi E., Forte D., Orecchioni S., Martinelli G., Bertolini F., Mendez-Ferrer S., Adinolfi E., Di Virgilio F., Cavo M. and Curti A., “Denatonium as a bitter taste receptor agonist modifies transcriptomic profile and functions of Acute Myeloid Leukemia cells”, *Front. Oncol.* (2020) doi: 10.3389/fonc.2020.01225

Ratajczak M.Z., Adamiak M., Bujko K., Thapa A., **Pensato V.**, Kucia M., Ratajczak J. and Ulrich H., “Innate immunity orchestrates the mobilization and homing of hematopoietic stem/progenitor cells by engaging purinergic signaling—an update”, *Purinergic Signalling* (2020) <https://doi.org/10.1007/s11302-020-09698-y>

## PERSONAL STATEMENT

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I hereby authorize the use and the processing of my personal data, in compliance with the Italian D.Lgsn.196/2003 (Codice in materia di protezione dei dati personali) and with EU regulation 2016/679 (General Data Protection Regulation).