

## **EDUCATION AND RESEARCH EXPERIENCE**

2011 Graduation with honors in Biological Science, University of Florence, Italy

2011 -2013 Fellow at Rizzoli Orthopaedic Institute, Bologna, Italy

2013-2016 Ph.D. in Molecular and Regenerative Medicine, Centre of Regenerative Medicine, University of Modena and Reggio Emilia, Italy

2016-2017 Post Doc Fellow at Centre of Regenerative Medicine, University of Modena and Reggio Emilia

2017-present: Post Doc Fellow at Department of Medical and Surgical Sciences for Children and Adults, University-Hospital of Modena and Reggio Emilia, Italy

## **RESEARCH ACTIVITY**

Dr. Valentina Masciale has a significance expertise in the manipulation of human epithelial stem cells. During the PhD training she has challenged with new stem cell-based regenerative treatments for manufacturing advanced therapy medicinal products (ATMPs) at the Centre of Molecular Medicine of Modena University, under the direction of Professor Michele De Luca and Graziella Pellegrini. As Post Doc Researcher backgrounded with a knowledge in the underlying mechanisms of stem cells, Dr. Masciale has moved to the field of cancer within the Laboratory of Cellular Therapies of the University Hospital of Modena, directed by Prof. Massimo Dominici, an international oncologist who is an expert in stem cell therapies for solid tumors. In these years, she has focused her studies toward the identification of novel molecular markers of lung cancer stem cells in patients underwent major lung resection surgery for Stage I or II non-small cell lung cancer in order to better stratified patients through their risk of cancer recurrence. Professional skills of doctor Masciale are mainly on the extraction of primary cells from biopsies of healthy and cancerous human tissues, isolation of lung cancer stem cells and tumour-infiltrating T lymphocytes, expansion of cell cultures, gene and cell therapy, and isolation of extracellular vesicles.

## **RESEARCH OUTPUT**

ORCID ID 0000-0003-1708-8785

Bibliometric Indexes H-index: 9 ~269 citations (SCOPUS)

Total Publication on peer-reviewed journals: 33

Publication as first author: 17

3 Book chapters

## **PARTICIPATION IN PROJECTS WITH COMPETITIVE FUNDING**

1. AIRC 2020 - 2025 Role of exhausted CD8 TILs in the recurrence of resectable non-small cell lung cancer