

# **CURRICULUM VITAE**

Laura PIERDOMENICO

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## **PERSONAL INFORMATION**

Born: May 9<sup>th</sup>, 1970 (Pianella-PE-, Italy)

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## **EDUCATION AND QUALIFICATIONS**

1999: Degree in Biological Sciences, University of Bologna, Italy.

2000: Qualification as Professional Biologist, University of Bologna, Italy.

2006: PhD Degree in Molecular Cytodifferentiation, University of Bologna, Italy.

2012: Post Graduate Degree in Clinical Biochemistry, University “G. d’Annunzio” Chieti-Pescara, Italy.

## **EMPLOYMENT**

2008-Now: Technician at Department of Medicine and Aging Sciences, University “G.d’Annunzio” Chieti-Pescara, Italy.

2006-2007: Technician at Biomorphology Department, University “G.d’Annunzio” Chieti-Pescara, Italy.

2001-2005: Technician at Interdepartmental Center of Research Cancer “G. Prodi”, University of Bologna, Italy.

## **MEMBERSHIPS IN SCIENTIFIC SOCIETIES**

2019 – Now SIAI: Società Italiana di Anatomia e Istologia

2014 – Now ISCCA. Italian Society for Cytometric Cell Analysis

2014 – Now ESCCA. European Society for Clinical Cell Analysis

2009 – Now SCR Stem Cell Research Italy

2009 – Now StemTeCh Group. Stem Cell Group (<http://www.stem-tech.it>)

## **TECHNICAL SKILLS AND COMPETENCES**

Cell Culture;

Mesenchymal Stem cell biology;

Cell Signaling;

Flow Cytometry;

Immunocytochemistry.

## **SCIENTIFIC ACHIEVEMENTS**

Mesenchymal Stem Cell isolation, characterization and multilineages differentiation in different human and animal cell sources. Polychromatic flow cytometry approaches to the studies related to signal transduction, differentiation, regulation of cell proliferation and survival in different human and animal cell models. Study of rare events by polychromatic flow cytometry and, in particular,

identification of circulating endothelial cells and extracellular vesicles in the peripheral blood of different clinical settings. Flow cytometry standardization methods.

#### **PATENTS**

1. “Metodo per identificare ed analizzare microvescicole in un campione di fluido biologico”. Italian patent number n. 102018000003981
2. “Method for identifying and analyzing microvesicles in a biological fluid sample”. European patent application number EP19164567.0

#### **SCOPUS PARAMETERS:**

She is author (March 2020) of 36 full-length peer-reviewed papers published in international scientific journals. [H-index (March 2020): 16 Citations (March 2020): 900]

*Chieti, March 2020*