

## **CURRICULUM VITAE**

Name : **Giulio Rusconi**  
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### **Education and professional activity**

2007 – 2011 : High school, Bellinzona (TI)

2011 – 2014 : Bachelor of Science in Biology, University of Lausanne

2014 – 2016 : Master of Science in Medical Biology, University of Lausanne

2015 – 2016 : Master project at the Department of Physiology of the University of Lausanne, Laboratory of Prof. Luc Pellerin  
Master thesis: *The transcription factor E2F1 acts as a potential repressor of MCT4 expression in the central nervous system*

2017 : Training program as Production assistant in a GMP compliant facility, Swiss Stem Cell Foundation, Gentilino and Zurich

2017 – 2018 : Production Assistant at the Swiss Stem Cell Foundation, Gentilino and Zurich

2018 – 2021 : PhD in Biotechnologies and Life Sciences, University of Insubria, Varese  
PhD thesis: *Development of new products for autologous cell therapy*  
Supervisors: Prof. Rosalba Gornati, Dr. Gianni Soldati

2022 – present : Post-Doctoral researcher at the Swiss Stem Cell Foundation

## **Diplomas and certificates**

Bachelor of Science in Biology

Master of Science in Medical Biology

PhD in Biotechnologies and Life Sciences

Introductory course in laboratory animal science: Module 1

Certificate of Production Assistant in a GMP compliant facility, Swiss Stem Cell Foundation

## **Research activities**

- Master project: Investigation of the transcription factor E2F1 and its activity on the expression of the monocarboxylate transporter MCT4.
  - Primary cultures of mouse cortical astrocytes
  - RNA and protein analysis
  - Plasmid construction and luciferase reporter assay
  - *In vivo* analysis of brain and liver of mouse models
  
- PhD project: Development of a new cell therapy of Peripheral Blood Mononuclear Cells (PBMC) to treat Critical Limb Ischemia. Pre-clinical phase, validation of relevant processes in Clean Room and regulatory aspects. Evaluation of hypoxic conditioning to enhance PBMC functional activity.
  - PBMC isolation and cryopreservation
  - Flow cytometry immunophenotyping
  - Writing of SOPs and regulatory aspects
  - Validation of relevant processes in Clean Room
  - Hypoxic conditioning and functional analysis: migration, adhesion, oxidative stress resistance, ROS production and mRNA expression
  
- SSCF Research Biobank: Storage of Stromal Vascular Fraction (SVF) and Adipose-derived mesenchymal Stem Cells (ASC)
  - SVF isolation and cryopreservation
  - Flow cytometry immunophenotyping
  - Cell culture and expansion
  - Adipogenic, osteogenic and chondrogenic differentiation of ASC