

Annalisa Adamo



Born 30.12.1988, Genova

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WORK EXPERIENCE

Policlinico G.B. Rossi, Italy 10.2015 - present

PhD student, University of Verona
LURM, Stem Cell Research Laboratory
Project title: "Molecular characterization of MSC-derived extracellular vesicles and correlation with their immunomodulatory potential".
Advisor: Prof. Mauro Krampera

Istituto Giannina Gaslini, Italy 10.2014 - 03.2015

Post Graduate Intern, Medical Genetics Laboratory
Finishing work of MSc thesis and manuscript writing
Advisor: Prof. Isabella Ceccherini

Istituto Giannina Gaslini, Italy 7.2014 - 10.2014

Temporary Research Associate, Medical Genetics Laboratory
AIRC (Italian Association on Cancer Research) funded project:
"PHOX2B overexpression and pathogenic interactions as targets
for pharmacological approach to neuroblastoma".
PI: Dr. Tiziana Bachetti

Istituto Giannina Gaslini, Italy 9.2012 - 10.2014

MSc Intern, Medical Genetics Laboratory
Advisor: Prof. Isabella Ceccherini

Istituto Giannina Gaslini, Italy 9.2011 - 7.2012

BSc Intern, Medical Genetics Laboratory
Advisors: Prof. Isabella Ceccherini and Dr. Tiziana Bachetti

EDUCATION

University of Genova 2012 - 2014

Master of Science in Medical-Pharmaceutical Biotechnology
Curriculum: Neuroscience
110/110 *cum laude* and right of publishing the manuscript

Thesis title: "Involvement of *PHOX2B*, the gene responsible for the Congenital Central Hypoventilation Syndrome, in the pathogenesis of Hirschsprung disease". (*manuscript in preparation*)

Advisor: Prof. Isabella Ceccherini

University of Genova

2007 - 2012

Bachelor of Science in Biotechnology

Emphasis in Medical-pharmaceutical biotechnology

110/110 *cum laude*

Thesis title: "Study of the effect of selected molecules on *GFAP* gene expression and on the cellular response to cytoplasmic aggregates in an *in vitro* model of Alexander disease". (*manuscript in preparation*)

Advisor: Prof. Isabella Ceccherini and Dr. Tiziana Bachetti

PERSONAL SKILLS

Languages: Italian (native), English (B2)

Job-related

Molecular biology:

- PCR, real time PCR
- RNA extraction from human cells and extracellular vesicles
- cDNA retrotranscription
- Gel electrophoresis
- Sanger sequencing
- Gene cloning (TA Cloning, PCR and restriction enzymes)
- Purification and extraction of plasmid DNA
- Identification of CNVs using MLPA technology

Biochemistry:

- SDS page
- Western Blot
- Protein purification via Immunoprecipitation

Cell biology:

- Human cell lines cultures
- Primary human cell cultures (Bone Marrow-derived Mesenchymal Stromal Cells)
- Human Peripheral Blood Mononuclear Cells (hPBMCs) isolation from Buffy Coat
- Immuno-magnetic cell separation from hPBMCs and Bone Marrow
- Bacterial cultures
- Transient transfections
- Promoter activity analysis using reporter genes (Luciferase)
- Extracellular vesicles isolation through ultracentrifugation
- Flow cytometric immunofluorescence assays
- Fluorescence microscopy (GFP-coupled proteins)

Animal models:

- Experimental mouse models (immunodeficient mice manipulation, retro-orbital blood sample collection, intravenous and intraperitoneal injection, total body irradiation, organs collection and cell populations analysis)

Computer skills

- Windows OS and Microsoft Office suite (Word, Excel, Power Point, Access, Derive, Visual basic)
- Biology related: statistical analysis of data from real-time PCR and reporter gene analysis (GraphPad Prism software)
- Good knowledge of property software for MLPA analysis (Coffalyser.net)
- Analysis of flow cytometry data (FlowJo software)

- PUBLICATIONS** Di Trapani M, Bassi G, Midolo M, Gatti A , Kamga PT, Cassaro A, Carusone R, **Adamo A**, M. Krampera. Differential and transferable modulatory effects of mesenchymal stromal cell-derived extracellular vesicles on T, B and NK cell functions. Sci Rep. 2016 Apr 13;6:24120.
- ABSTRACTS** P Takam Kamga*, G Bassi, A Cassaro, **A Adamo**, A Gatti, G Dal Collo, M Midolo, R Carusone, M Di Trapani, M Bonifacio, M Krampera. Notch signalling inhibition as a multi-target therapy to overcome bone marrow microenvironment-mediated drug resistance in AML. EHA 21. haematologica | 2016; 101(s1) | 207.
- WORKSHOPS**
- Hematological Malignancies: From Mechanisms to Therapy**
Milan, March 9-12, 2016
- Under40 in Hematology (SIE)**
Verona, November 12-13, 2015
- NIBIT Training Course on human tumors immunotherapy**
Verona, November 3, 2015
- TALKS**
- PHOX2B* as a new gene responsible for the pathogenesis of Hirschsprung disease**
Annual Meeting of Medical Genetics Laboratory
Genova, Istituto Giannina Gaslini, January 12, 2015
- MISC** Driving licence B; Available to relocate

“La sottoscritta Adamo Annalisa dichiara che, in osservanza a quanto previsto dal D.P.R. n. 445/2000, quanto indicato nel curriculum corrisponde a verità, consapevole delle sanzioni penali in caso di attestazioni false o non veritiere”.

“La sottoscritta Adamo Annalisa consente l’utilizzo ed il trattamento dei dati personali e degli eventuali dati sensibili in osservanza a quanto previsto dal Decreto Legislativo n. 196/2003”.