PERSONAL DATA

Name: Vittorio Abbonante
Date and place of birth: 29/04/1985, Catanzaro, Italy
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EDUCATION

2013: PhD in Biochemistry, Department of Molecular Medicine, University of Pavia, Pavia, Italy
2009: Master Degree in Medical and Pharmaceutical Biotechnology, University of Pavia, Italy
2007: Bachelor Degree in Biotechnology, University Magna Graecia, Catanzaro, Italy

APPOINTMENT

Post-Doc, IRCCS Policlinico San Matteo, Department of Molecular Medicine, University of Pavia, Viale Forlanini 6 , 27100 Pavia, Italy
March-May 2013: Visiting student at Department of Bioengeenering, TUFTS University, Boston, MA, USA.
September-November 2009: Visiting student at Department of Medicine, Columbia University, New York, NY, USA.

SCIENTIFIC ACTIVITY

Vittorio Abbonante, is a Post-Doc whose research focus on the study of the mechanisms that control megakaryocyte differentiation and of the signals that initiate and regulate proplatelet formation and platelet release with particular interest on the role of the different component of the bone marrow microenvironment. Finally, he is involved in different projects trying to understand the pathogenesis of different diseases characterized by impaired megakaryocyte differentiation and platelet production (i.e. myeloproliferative disorders).

SELECTED PUBBLICATIONS

- **Abbonante V**, Di Buduo CA, Gruppi C, Malara A, Gianelli U, Celesti G, Anselmo A, Laghi L, Vercellino M, Visai L, Iurlo A, Moratti R, Barosi G, Rosti V, Balduini A. Thrombopoietin/TGF-β1 loop regulates megakaryocyte extracellular matrix component synthesis. Stem Cells. 2016 Jan 9.
- An B, **Abbonante V**, Xu H, Gavriilidou D, Yoshizumi A, Bihan D, Farndale RW, Kaplan DL, Balduini A, Leitinger B, Brodsky B. Recombinant Collagen Engineered to Bind to Discoidin Domain Receptors Functions as a Receptor Inhibitor. Recombinant Collagen Engineered to Bind to Discoidin Domain Receptors Functions as a Receptor Inhibitor. J Biol Chem. 2015 Dec 23.
- Pietra D, Rumi E, Ferretti VV, Buduo CA, Milanesi C, Cavalloni C, Sant'Antonio E, **Abbonante V**, Moccia F, Casetti IC, Bellini M, Renna MC, Roncoroni E, Fugazza E, Astori C, Boveri E, Rosti V, Barosi G, Balduini A, Cazzola M. Differential clinical effects of different mutation subtypes in CALR-mutant myeloproliferative neoplasms. Leukemia. 2016 Feb;30(2):431-8.
- Currao M, Malara A, Di Buduo CA, **Abbonante V**, Tozzi L, Balduini A. Hyaluronan based hydrogels provide an improved model to study megakaryocyte-matrix interactions. Exp Cell Res. 2015 May 29.
- **Abbonante V**, Gruppi C, Catarsi P, Avanzini MA, Tira ME, Barosi G, Rosti V, Balduini A. Altered fibronectin expression and deposition by myeloproliferative neoplasm-derived mesenchymal stromal cells. Br J Haematol. 2015 May 5.
- Malara A, **Abbonante V**, Di Buduo CA, Tozzi L, Currao M, Balduini A. The secret life of a megakaryocyte: emerging roles in bone marrow homeostasis control. Cell Mol Life Sci. 2015 Apr;72(8):1517-36.
- An B**, Abbonante V**, Yigit S, Balduini A, Kaplan DL, Brodsky B. Definition of the Native and Denatured Type II Collagen Binding Site for Fibronectin Using a Recombinant Collagen System. J Biol Chem. 2014 Feb 21;289(8):4941-51
- **Abbonante V**, Gruppi C, Rubel D, Gross O, Moratti R, Balduini A. Discoidin domain receptor 1 protein is a novel modulator of megakaryocyte-collagen interactions. J Biol Chem. 2013 Jun 7;288(23):16738-46.