

Sebastiano Rontauoli, BSc

Personal data

Name: Sebastiano Rontauoli
Date and place of birth: 26/07/1990, Castelnovo ne' Monti (RE) Italy
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Education

November 2014 - today : PhD student, PhD program in Molecular and Regenerative Medicine – XXX cycle, University of Modena and Reggio Emilia, Italy. Research topic: Analysis of the functional role of genes and microRNAs in the pathogenesis of Chronic Myeloproliferative Neoplasms. Tutor: Prof. Rossella Manfredini, Department of Life Sciences, Centre for Regenerative Medicine.

Oct 2014: Master's Degree in Medical and Pharmaceutical Biotechnology, University of Modena and Reggio Emilia

Oct 2012: Bachelor's Degree in Biotechnology, University of Modena and Reggio Emilia.

Research experience

May 2013 - September 2014: Thesis internship in Hemopoietic Stem Cells Laboratory, Center for Regenerative Medicine, University of Modena and Reggio Emilia, under the supervision of prof R. Manfredini, working on understanding the role of miRNAs, and in particular miR-494-3p, in the etiopathogenesis of Philadelphia Chromosome Negative Myeloproliferative Neoplasms.

March 2012 - September 2012: Thesis internship in Hemopoietic Stem Cells Laboratory, Center for Regenerative Medicine, University of Modena and Reggio Emilia. Tutor: prof R. Manfredini.

Fellowships

2016: Research fellowship from University of Modena and Reggio Emilia

2015: Research fellowship from University of Modena and Reggio Emilia

Peer-reviewed publications

1) S. Salati, R. Zini, S. Nuzzo, P. Guglielmelli, V. Pennucci, Z. Prudente, S. Ruberti, **S. Rontauoli**, R. Norfo, E. Bianchi, C. Bogani, G. Rotunno, T. Fanelli, C. Mannarelli, V. Rosti, S. Salmoiraghi, D. Pietra, S. Ferrari, G. Barosi, A. Rambaldi, M. Cazzola, S. Bicciato, E. Tagliafico, A. M. Vannucchi, and R. Manfredini on behalf of the AGIMM (AIRC Gruppo Italiano Malattie Mieloproliferative) investigators. **Integrative analysis of copy number and gene expression data suggests novel pathogenetic mechanisms in Primary Myelofibrosis**. International Journal of Cancer, 2015.

2) E Bianchi, J Bulgarelli, S Ruberti, **S Rontauoli**, G Sacchi, R Norfo, V Pennucci, R Zini, S Salati, Z Prudente, S Ferrari and R Manfredini. **c-myb controls erythroid versus megakaryocyte lineage fate decision through the miR-486-3p-mediated down-regulation of c-maf**. Cell Death and Differentiation, 2015.

3) R Norfo, R Zini, V Pennucci, E Bianchi, S Salati, P Guglielmelli, C Bogani, T Fanelli, C Mannarelli, V Rosti, D Pietra, S Salmoiraghi, A Bisognin, S Ruberti, **S Rontauoli**, G Sacchi, Z Prudente, G Barosi, M Cazzola, A Rambaldi, S Bortoluzzi, S Ferrari, E Tagliafico, A M. Vannucchi and R Manfredini on behalf of the AGIMM (AIRC Gruppo Italiano Malattie Mieloproliferative) investigators. **miRNA-mRNA integrative analysis in primary myelofibrosis CD34+ cells unveils the role of miR-155/JARID2 axis in abnormal megakaryopoiesis**. Blood. 2014.