Curriculum Vitae

PERSONAL DATA	
Name	Elena Genovese
Date/place of birth	21.01.1992 / Salerno
Citizenship	Italy
Work address	Centre for Regenerative Medicine, University of Modena and Reggio Emilia, Via Glauco Gottardi, 100
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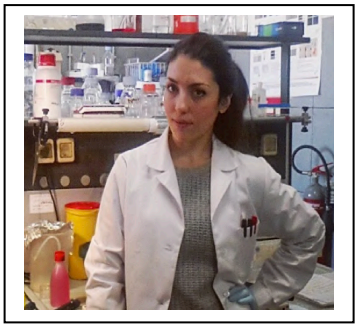

EDUCATION			
Name of Institution	Location (City, Country)	Degree	Year
University of Sannio	Benevento, Italy	Qualification as a Professional Biologist	2017
"Sapienza" University of Rome	Rome, Italy	Master's degree in Genetics and Molecular Biology in Basic and Biomedical Research	2016
University of Salerno	Salerno, Italy	Bachelor's degree in Biological Sciences	2014

RESEARCH EXPERIENCE		
From - To	Position	Research activity
Nov 2019 - today	Research fellow at the University of Modena and Reggio Emilia	• Study of clonal heterogeneity in Myeloproliferative Neoplasms
Nov 2016 - Nov 2019	PhD fellowship in Molecular and Regenerative Medicine, University of Modena and Reggio Emilia	• Characterize the Myeloproliferative Neoplasms (MPN) stem cell compartment • Clonal hierarchy and clonal evolution of myeloproliferative neoplasms in chronic phase and during disease progression • Study of the role of mutated Calreticulin in the pathogenesis of myeloproliferative neoplasms

TECHNICAL SKILLS AND COMPETENCES
Preparation cells culture primary or lines human/murine (treatment with drugs and other factors); Techniques of cell purification through immunomagnetic systems or gradient; Gene transduction by retroviral and lentiviral vectors; Gene silencing by RNA-interfering; In vitro differentiation assays in semisolid media and in liquid culture; Flow cytometric analysis; Cell cycle analysis; May Grunwald Giemsa cytological staining method; Morphological Analysis of stained cytospins; Proliferation assay; Migration assay; Matrigel invasion assay; Molecular cloning of genes and promoter regions; Gel electrophoresis; Two dimensional electrophoresis (2DE); PCR; Real Time-PCR; Purification of genomic DNA and RNA; Electrophoretic mobility shift assay (EMSA); Western Blot; Immunofluorescence assay; Reporter gene assays (Dual luciferase assay); In vitro translation (IVT); Kinase assay; Preparation of competent bacteria; Transformation of bacterial cells; Purification of plasmid DNA. Post-genomic techniques: Genotyping through the use of Affymetrix platform (Cytoscan HD array); Gene and miRNA expression profiling through Gene Chip Affymetrix; Single Cell WGA.

PUBLICATIONS	
1.	Salati S, Genovese E, Prudente Z, et al. Sci Rep 2019; 9: 10558
2.	Rossi C, Zini R, Rontauroli S, Ruberti S, et al. Mol Oncol 2018; 2(12): 2102-2123
3.	Salati S, Prudente Z, Genovese E, et al. Stem Cells Dev 2017; Vol. 27, No. 4
4.	Zini R, Guglielmelli P, Pietra D, et al. Blood Cancer J 2017; 7(12): 638
5.	Salati S, Salvestrini V, Carretta C, et al. Oncotarget 2017; 8(30): 49451-49469