

Curriculum Vitae



PERSONAL DATA	
Name	Sara Castellano
Date/place of birth	28/05/1992, Modena, Italy
Citizenship	Italian
Work address	Clinical Genomics Laboratory, Dept. of Laboratory Medicine and Pathology, University Hospital of Modena, Via del Pozzo 71, 41124, Modena, Italy
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EDUCATION			
Name of Institution	Location (City, Country)	Degree	Year
University of Modena and Reggio Emilia	Modena, Italy	Master degree in Medical Biotechnologies	2016
University of Modena and Reggio Emilia	Modena, Italy	Bachelor's degree in Biotechnologies	2014

RESEARCH EXPERIENCE		
From - To	Position	Research activity
2018-today	PhD student	Genomic characterization of chronic Myeloproliferative Neoplasms (MPN).
2017-2018	Fixed term collaborator	Optimization of bioinformatics pipelines for the study of sequence alteration and the copy number variation on data coming from high throughput sequencing.
2016-2017	Fixed term collaborator	Computational methods for prediction of cell type fractions from the transcriptional data of heterogeneous samples; Genomic characterization of the freshwater snail <i>Lymnaea stagnalis</i> , a potential new model for translational medicine.

TECHNICAL SKILLS AND COMPETENCES
- Bioinformatics skills: microarray data analysis (R, Bioconductor), Next Generation Sequencing data analysis (samtools, bcftools, bedtools, GATK, Annovar, VEP, IonReporter, SOPHiA DDM, UCSC Genome Browser), data wrangling, programming (Perl, Bash (Unix), R/R Studio), sequence alignment (BLAST), database search (NCBI-GEO, EBI-ArrayExpress, TCGA).

AWARDS

PUBLICATIONS	
1.	Toss A, Venturelli M, et al. <i>Cancers</i> 2019; 11 : e193.