## CURRICULUM VITAE



Page 1 - Curriculum vitae NICCOLÒ Vono

<b>Technical Skills</b> Programming languages Bioinformatics tools	<ul> <li>Online Portfolio and constructed scripts: https://niccolovono.github.io/</li> <li>R, Python, Bash, Perl, HTML, Javascript</li> <li>Sequence alignment: BLAST, MEME SUITE;</li> <li>Bulk Sequencing Analysis: CellRanger, quality control of reads (FASTQC), trimming and mapping (Cutadapt, STAR, HISAT2, Bowtie2, Salmon), quantification of reads (htseq-count, featureCounts), differential gene expression (DESeq2, edgeR, limma), functional analysis (EnrichR, GSEA, GO, DAVID, KEGG);</li> <li>Single-Cell RNA Sequencing Analysis using Seurat and/or Scanpy;</li> <li>Single-Cell Gene Regulatory Network Inference using SCENIC and pySCENIC</li> </ul>
Data analysis	<ul> <li>Machine Learning (scikit-learn and TensorFlow)</li> </ul>
Other technical skills	<ul> <li>Statistical modeling and data visualization (dplyr, ggplot2, Matplotlib)</li> <li>Proficiency in the use of illustration softwares (Adobe Illustrator, Adobe Photoshop)</li> <li>Advanced use of word processing, calculus and presentation softwares (Microsoft Office Suite – Word, Excel, Power Point)</li> </ul>
Soft Skills	<ul> <li>Teamwork and collaboration</li> <li>Communication</li> <li>Problem Solving</li> <li>Project Management</li> <li>Ability to work independently</li> </ul>
MAIN LANGUAGE	Italian
OTHER LANGUAGE	
• Capacità di lettura • Capacità di scrittura • Capacità di espressione orale	ENGLISH (B2) – CERTIFIED (CAMBRIDGE CERT. NO CO081277) GOOD GOOD GOOD
SCIENTIFIC PUBICATIONS:	<ol> <li>Siracusa C, Vono N, Morano MB, Sabatino J, Leo I, Eyileten C, Cianflone E, Postula M, Torella D, De Rosa S. <i>Clinical Application of Circular RNAs as</i> <i>Biomarkers in Acute Ischemic Stroke</i>. J Pers Med. 2023 May 16;13(5):839. doi: 10.3390/jpm13050839. PMID: 37241009; PMCID: PMC10221059.</li> </ol>
SCIENTIFIC ACTIVITIES:	<ol> <li>De Angelis M.T., Vono, N., Reda M., Santamaria G., De Marco C., Viglietto G. (2024). Unraveling molecular processes underlying resistance and sensivity to all-trans retinoic acid in cancer stem cells, oral presented at: <u>Stem Cells and Regenerative Medicine - From Concept to Clinic (SCRM- 2024) - Conference</u> on Oct. 8 2024</li> </ol>
	<ol> <li>Vono, N., De Angelis M.T., Reda M., Viglietto G., Santamaria G. (2024). Exploring the molecular mechanisms that influence Retinoic Acid responsiveness or resistance in cancer stem cells within patient- derived cancer organoids; oral presented at: <u>Young Minds at Work:</u> <u>Blending Biochemistry and Bioinformatics - 2nd edition - Online Workshop</u> on Dec. 11 2024</li> </ol>
Declaration	The undersigned, aware that - pursuant to art. 76 of the Presidential Decree 445/2000 – false statements, false documents and the use of false documents are punished under the penal code and special laws, declares that the information is true. Regarding the processing of personal data, the undersigned expresses my consent to the processing of the same in compliance with the purposes and methods set out in Legislative Decree No. 196/2003.