CV Marzia Rossato

PERSONAL INFORMATION

Name: Marzia
Surname: Rossato
Date of birth: December 18, 1981
Place of birth: Venice, Italy
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Citizenship: Italian
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ACADEMIC AGE from PhD start: 2024-2005 = 19 years

LANGUAGES: Italian (mother tongue) and English (spoken and written, fluently)

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PRESENT POSITION

April 2021 - present: Associate Professor in Genetics (BIO/18), Dpt. of Biotechnology, University of Verona, Italy
December 2019 - present: Partner and Founder of Genartis srl, Verona, Italy

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EDUCATION

October 2005 – December 2008: PhD in "Biomedical & Translational Science - Cellular and Molecular Biology and Pathology" at University of Verona.
September 2003-October 2005: Master degree in Industrial Biotechnology at the University of Padova.
September 2000-September 2003: Bachelor degree in Biotechnology at the University of Padova.

PREVIOUS POSITIONS

April 2018 - 2021: Senior Researcher (RTDB) in Genetics (BIO/18) Dpt. of Biotechnology, University of Verona
May 2016 – March 2018: Research Associate in Genetics (BIO/18) Dpt. of Biotechnology, University of Verona.
March 2014- April 2016: Marie Curie IEF Post-doctoral fellow, University Medical Centre Utrecht (UMCU), The Netherlands.
September 2012-February 2014: Post-doc in the Laboratory of Translational Immunology, University Medical Centre Utrecht (UMCU), The Netherlands.
January 2011 – August 2012: Post-doc at the Department of Medicine, University of Verona, Italy.
January 2009 – December 2010: Post-doctoral fellowship by the "Italian Association for Cancer Research - AIRC", at the Department of Medicine, University of Verona, Italy.

ITALIAN UNIVERSITY 3rd MISSION ACCOMPLISHMENTS

2022: European Patent P022912EP-01 (inventor): "Methods for determining the presence or risk of developing Myotonic Dystrophy type 1 (MD1) or Myotonic Dystrophy type 2 (MD2)".

2019-present: Partner and Founder of Genartis srl, Spin-Off of the University of Verona operating in the Genomic sector.

TEACHING ACTIVITIES

2018-present **Genomics**, Master's degree in Agri-Food Biotechnology, 48h (SSD BIO/18).

2021-present **Human Genome Sequencing & Interpretation**, Master's degree in Molecular and medical biotechnology, 24h (SSD BIO/18).

2018-present **Genomics and Metagenomics**, Master's degree in Biotechnology of Bioresources, 48h (SSD BIO/18).

2019-2022 **Basi di genetica e genomica,** Tandem course for student of secondary school, 8h (SSD BIO/18).

2019-2021 **Research-Inspired Laboratory,** Master's degree in Molecular and Medical Biotechnology, 20h (SSD BIO/10)

SUPERVISION ACTIVITY

I currently coordinate -next to Prof. Delledonne- a research group composed of 16 members, including molecular biologists and bioinformaticians, maintaining the direct supervision of 3 PhD student and 6 young fellows and post-doc.

2016-present. Supervisor of 15 post-doc, 5 PhD students e 18 master/bachelor students, at the University of Verona.

2012-2016. Supervisor of 4 master students, 3 PhD students e 2 technicians, at UMC Utrecht, The Netherlands.

INSTITUTIONAL RESPONSIBILITIES

2021-2024: Vice-Director of the Dept. of Biotechnologies, University of Verona.

Since 2019: Member of the didactic council of the PhD Program in Biotechnology, University of Verona.

Since 2018: Member of the didactic council in Biotechnology bachelor and master programs, University of Verona.

Since 2018: Member of the Council of the Dept. of Biotechnology, University of Verona.

2018-2020: Representative of Researchers - Board of the Department of Biotechnology

ABILITAZIONE SCIENTIFICA NAZIONALE

Abilitazione scientifica nazionale as Full Professor (Prima Fascia) on 13/11/2023 (Domanda 92968) – Settore Concorsuale 05/I1 – SSD BIO/18 GENETICA.

FINANCED RESEARCH PROJECTS

2025-present Partner of Project: 101169266 — ENTRY-DM: Interdisciplinary doctoral training on oligonucleotide-based therapies for myotonic dystrophy. HORIZON-MSCA-2023-DN-01. **259,437.60 €.** Funding body: European Union.

2023-present PRIN2022-PNRR-Coordinatore. "GENUINE: Harnessing advanced Genomic mEthods to ideNtify fUture clImate resilient geNotypes in lEgumes species with large and repetitive genomes" (Project ID: P20229XFNX). **114.750€.** Funding body: MUR.

2023-2024 PI of Project: "GENTEST: Test diagnostici innovativi per la diagnosi di patologie dovute a espansioni". **70.000 €.** Funding body: Piano Sviluppo e Coesione Veneto FSC 2021-2027 Stralcio.

2022-present Co-PI of Univr Unit in the project PNRR-MR1-2022-12375877 "Development of an integrated tool based on genetic, epigenetic and clinical analysis to optimize the diagnosis, prognosis and treatment of myotonic dystrophies (GEPINDM)". **77.040€**. Funding body: Ministero della Salute.

2018-present Research projects focused on transcriptome analysis using RNAseq, in humans and plants, in collaboration with public and private research institutes. **€250,000** (commissioned research projects).

2020-present Research projects focused on population genotyping, in plants and non-model organisms, using Genotyping by Sequencing approaches, in collaboration with public and private research institutes. **€190,000** (commissioned research projects).

2019: Bando Cooperint 2019 - Coordinatore. “Nebbiolo genomics: Structural variations as genetic markers useful for the wine industry”. **6.700€.** Funding body: University of Verona.

2018-2021: Joint Project 2018, The dark side of the genome: unravelling structural variations by novel genomic technologies. **41.333€**. Funding body: University of Verona.

2018-2021: Reti Innovative Regionali, Project Partner. “3S_4H: Cibo Intelligente per un futuro sostenibile”. **24.000€.**

2017-2019: Pfizer Italian Competitive Grant, Project Partner. CREARE “RNAseq profiling of Rheumatoid arthritis patients to predict responses to tofacitinib”, in collaboration with Dr. Beretta (Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico) **34.160€.** Funding body: Pfizer.

2015-2017: Reumafonds grant, “Battling monocyte misbehavior by normalizing epigenetic alterations as an early intervention in systemic sclerosis”, Project ID: 14-3-403. **230.000€.** Funding body: Reumafonds foundation.

2014-2015: Marie Curie IEF, “MicroRNA targeting to achieve Systemic Sclerosis Control and Prediction”. Project ID: 622811, MicroSCAP. **176.000€.** Funding body: European Commission, FP7 Program.

EDITORIAL ACTIVITY

Reviewer for Nature Protocol, Scientific Reports, International Journal of Molecular Sciences, Frontiers in Genetics, Plants, Agronomy, Horticulturae, Clinical Chemistry, Genes, Frontiers in Immunology, Life.

MEMBERSHIP OF SCIENTIFIC SOCIETIES

2023-present Member of the Italian Genetic Association (AGI)

2016-present Member of the Italian Society of Agricultural Genetics (SIGA)

2007-2016 Member of the Italian Society of Immunology, Clinical Immunology and Allergology (SIICA)

PRIZES AND AWARDS

2019 Winner of Start Cup Veneto for the best business project (VeroGenomics, later on Genartis srl)

2009 Awarded with a two-years post-doctoral fellowship by the "Italian Association for Cancer Research - AIRC".

CONFERENCE ORGANIZATION

Scientific board member for the organization of the conference “Dall’esoma per tutti al genoma di tutti”, held in Verona on April 19, 2017.

ORAL PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONFERENCES

1. **Oral presentation:** Plant and Animal Genome Conference (PAG32) San Diego (USA), 10-15 Jan 2025. “Comparative evaluation of multiplex vs singleplex RNA-seq library preparation methods”.
2. **INVITED presentation:** Workshop on Emerging Technologies and New Approaches in Genomic Medicine 29-30 November 2024. “Sequencing of expanded repeats using long reads”
1. **INVITED presentation:** Workshop HiFi Long-reads PacBio, Milan, 5 December 2024. “Characterization of expanded repeats in myotonic dystrophy type 2 with long-read sequencing”
2. **Oral presentation:** Increase project Annual Meeting 7th -10th May 2024, Rome. “Novel approaches for genotyping in fabaceae ”
3. **INVITED presentation:** Workshop on “Potential of long-read sequencing in diagnostics”, 29 November 2023. “Sequencing of expanded repeats using long reads”
4. **INVITED presentation:** PacBio Roadshow Milan (Italy), 30 May 2023. “High quality plant genome assembly with PacBio HiFi”

5. **INVITED presentation:** Oxford Nanopore Workshop Milan (Italy), 17 March 2023. “Nanopore sequencing for de novo assembly of plant and algae genomes”.
6. **Oral presentation:** Plant and Animal Genome Conference (PAG30) San Diego (USA), 12-17 Jan 2023. “Innovative Genotyping of the Large & Repetitive Lentil Genome”.
7. **INVITED presentation:** NextGen Omics UK Conference, London (UK), 9-10 November 2022. “Reference Genomes and Pangenomes”.
8. **Oral presentation:** Rapid Methods Europe (RME) Conference, Amsterdam (The Netherlands), 3-5 October 2022. “Real-Time On-Site Diagnosis of Quarantine Pathogens in Plant Tissues by Nanopore-Based Sequencing”.
9. **INVITED presentation:** Plant and Animal Genome XXIX Conference, San Diego (USA), 8-12 January 2022. “Using Crisprclean to Maximize the Genotyping Efficiency of the Lentil Genome”.
10. **Oral presentation:** National Congress of the Italian Society of Agricultural Genetics (SIGA) 2022, Piacenza (Italy). 5-8 September 2022. “CRISPR-Cas9-based repeat depletion for high-throughput genotyping of complex plant genomes”.
11. **INVITED presentation:** NextGen Omics UK Virtual Conference by Oxford Global, 4-6 November 2020. “Tackling disease related repeat-expansion analysis by Xdrop indirect sequence capture”.
12. **INVITED presentation:** Webinar by FrontLine Genomics, June 30th 2020. “Capture the dark genome: From repeat-expansions to CRISPR unintended mutations”.
13. **Oral presentation:** Intcatch Conference, London (UK). 4-7 September 2019. “Development of a portable genomic laboratory for water metagenomic analysis”.
14. **Oral presentation:** National Congress of the Italian Society of Agricultural Genetics (SIGA) 2018, Verona (Italy). 25-28 September 2018. “Optical mapping for de-novo genome assembly and plant comparative genomics”.
15. **INVITED presentation:** Nanopore Day 2017, Milan (Italy). 28 September 2017. “On site DNA barcoding by Nanopore sequencing”
16. **INVITED presentation:** Convivio sull’ereditarietà e XIV Congresso dell’associazione italiana per lo studio della familiarità ed ereditarietà dei tumori gastrointestinali (AIFEG), Verona. 10-12 November 2016. “Nuove metodiche per lo studio genico, epigenetico e genomico”.
17. **INVITED presentation:** Single-molecule real-time (SMRT) sequencing meeting, Leiden (The Netherlands). 2-3 May 2017. “Optical Mapping for whole-genome assembly and characterization of structural variations”.
18. **INVITED presentation:** 2° Autoimmunity and Immunodeficiency day, Verona (Italy). 14 Oct 2016. “Epigenetic aberrances in the dysregulation of immune system: lessons from Systemic Sclerosis”.
19. **INVITED presentation:** Dutch National Workgroup Immunodeficiencies, Amsterdam (The Netherlands). 24 June 2016. “Epigenetic aberrances in the dysregulation of immune system: lessons from Systemic Sclerosis”.
20. **Oral presentation:** Annual European Congress of Rheumatology (EULAR) 2013, Madrid (Spain). 12-15 May 2013. “microRNAs underlie plasmacytoid dentritic cell dysfunction in systemic sclerosis”.
21. **Oral presentation:** 48th Congress of the European Society of Clinical Investigation (ESCI), Utrecht (The Netherlands). April 30-May 5, 2014. “microRNAs underlie plasmacytoid dentritic cell dysfunction in systemic sclerosis”.
22. **Oral presentation:** Netherland Congress of rheumatology (NVR) 2013, Arnhem (The Netherlands). 26 September 2013. “microRNAs underlie plasmacytoid dentritic cell dysfunction in systemic sclerosis”.
23. **Oral presentation:** 15th International Congress of Immunology (ICI), Milan (Italy). 22-27August 2013. “IL-10-induced microRNA-187 negatively regulates TNFa, IL6 and IL12p40 production in TLR4-stimulated monocytes”
24. **Oral presentation:** 46th Annual Scientific Meeting of the European Society of Clinical Investigation, Budapest (Hungary). 22-24 March 2012. “IL-10-induced microRNA-187 inhibits proinflammatory cytokine production by TLR4-stimulated monocytes”.
25. **Oral presentation:** 2nd European Congress of Immunology, Berlin (Germany), 13-19 September 2009. “A regulatory circuitry involving microRNA-9 and NFkB controls neutrophil and monocyte activation in response to LPS”.

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RESEARCH INTERESTS

My research spans genomics, transcriptomics, and epigenomics, with a strong emphasis on developing and optimizing methods to leverage innovative sequencing technologies across diverse biological systems. Since 2008, I have conducted transcriptomic and epigenomic studies (miRNA and histone marks) in the human field, investigating gene expression regulation in the immune system of healthy individuals and patients with autoimmune diseases.

Building on this foundation, since 2016 I have broadened my focus to genome structure and the application of advanced sequencing platforms, including short-read (Illumina, Element), long-read (PacBio, Oxford Nanopore), linked-read (10x Genomics), and physical mapping technologies (Bionano Genomics, Nabsys). These approaches have enabled me to lead and contribute to genome reconstruction projects in both model and non-model organisms, spanning humans, plants, algae, and microbes. By combining these technologies with targeted enrichment strategies, I have also developed methods to characterize genomic regions inaccessible to short-read sequencing, such as those underlying human pathologies (e.g., expanded tandem repeats in myotonic dystrophy).

More recently, I have been developing cost- and time-efficient genotyping and transcriptomic approaches for large-scale population studies, with a focus on plants. In this context, I optimized a CRISPR/Cas9-based repeat depletion method to remove repetitive elements, thereby concentrating sequencing data on informative genomic regions and enhancing the power of genotyping studies in species with large genomes.

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PUBLICATIONS
H-index: 31
Number of publications: 85
Total citations: 3.321
Source: Scopus and PubMed, 27 September 2025

1) Angelicola S, Giunchi F, Ruzzi F, Frascino M, Pitzalis M, Scalambra L, Semprini MA, Pittino OM, Cappello C, Siracusa I, Chillico IC, Di Noia M, Turato C, De Siervi S, Lescai F, Ciavattini T, Lopatriello G, Bertoli L, De Jonge H, Iamele L, Altimari A, Gruppioni E, Ardizzoni A, **Rossato M**, Gelsomino F, Lollini PL, Palladini A. PD-L1 and IFN-γ modulate Non-Small Cell Lung Cancer (NSCLC) cell plasticity associated to immune checkpoint inhibitor (ICI)-mediated hyperprogressive disease (HPD). J Transl Med 2025 Jan 2;23(1):2. doi: 10.1186/s12967-024-06023-8.
2) Pozzer, Diego; Indrigo, Marzia; Breccia, Martina; Florio, Elena; Franchino, Camilla Aurora; De Rocco, Giuseppina; Maltecca, Francesca; Fadda, Antonio; **Rossato, Marzia**; Aramini, Andrea; Allegretti, Marcello; Frasca, Angelisa; De Filippis, Lidia; Landsberger, Nicoletta. Clinical-grade intranasal NGF fuels neurological and metabolic functions of Mecp2-deficient mice. Brain, . 2025 Mar 6;148(3):845-860. doi: 10.1093/brain/awae291.
3) Leo, Manuela; Mancini, Caterina; Lori, Giulia; Delre, Pietro; Ferraris, Irene; Lucchini, Filippo; Molinario, Annamaria; Leri, Manuela; Castellaneta, Andrea; Losito, Ilario; Cataldi, Tommaso; **Rossato, Marzia**; Colantuoni, Vittorio; Taddei, Maria Letizia; Lavecchia, Antonio; Sabatino, Lina. Secoiridoid-enriched extra virgin olive oil extracts enhance mitochondrial activity and antioxidant response in colorectal cancer cells: The role of Oleacein and Oleocanthal in PPARγ interaction. Free Radic Biol Med. 2025 Aug 1:235:56-72. doi: 10.1016/j.freeradbiomed.2025.04.031.
4) Frascarelli, Giulia; Galise, Teresa R.; D'Agostino, Nunzio; Cafasso, Donata; Cozzolino, Salvatore; Cortinovis, Gaia; Sparvoli, Francesca; Bellucci, Elisa; Di Vittori, Valerio; Nanni, Laura; Pieri, Alice; **Rossato, Marzia**; Vincenzi, Leonardo; Benazzo, Andrea; Delledonne, Massimo; Bitocchi, Elena; Papa, Roberto. The evolutionary history of the common bean (Phaseolus vulgaris) revealed by chloroplast and nuclear genomes analysis. Theor Appl Genet. 2025 Feb 8;138(2):47. doi: 10.1007/s00122-025-04832-z.

5) Cortinovis G., Vincenzi L., Anderson R., Marturano G., Marsh J.I., Bayer P.E., Rocchetti L., Frascarelli G., Lanzavecchia G., Pieri A., Benazzo A., Bellucci E., Di Vittori V., Nanni L., Ferreira Fernández J.J., **Rossato M.**, Aguilar O.M., Morrell P.L., Rodriguez M., Gioia T., Neumann K., Alvarez Diaz J.C., Gratias A., Klopp C., Bitocchi E., Geffroy V., Delledonne M., Edwards D., Papa R. Adaptive gene loss in the common bean pan-genome during range expansion and domestication. Adaptive gene loss in the common bean pan-genome during range expansion and domestication. (2024) Nature Communications, 15 (1), art. no. 6698. doi: 10.1038/s41467-024-51032-2
6) Pieri A., Beleggia R., Gioia T., Tong H., Di Vittori V., Frascarelli G., Bitocchi E., Nanni L., Bellucci E., Fiorani F., Pecchioni N., Marzario S., De Quattro C., Limongi A.R., De Vita P., **Rossato M.**, Schurr U., David J.L., Nikoloski Z., Papa R. Transcriptomic response to nitrogen availability reveals signatures of adaptive plasticity during tetraploid wheat domestication. (2024) Plant Cell, 36 (9), pp. 3809 – 3823. doi: 10.1093/plcell/koae202
7) Marcolungo L., Bellamoli F., Cecchin M., Lopatriello G., **Rossato M.**, Cosentino E., Rombauts S., Delledonne M., Ballottari M. Haematococcus lacustris genome assembly and annotation reveal diploid genetic traits and stress-induced gene expression patterns. (2024) Algal Research, 80, art. no. 103567. doi: 10.1016/j.algal.2024.103567
8) Moreno A., Canziani S., Lelli D., Castelli A., Bianchi A., Bertoletti I., Maccarinelli F., Carlomagno M., Paini M., **Rossato M.**, Delledonne M., Giacomelli S., Cordedda A., Nicoloso S., Bellinello E., Campagnoli A., Trogu T. Molecular and Serological Detection of Bovine Coronaviruses in Marmots (Marmota marmota) in the Alpine Region. (2024) Viruses, 16 (4), art. no. 591. doi: 10.3390/v16040591.
9) Tomasetti M., Monaco F., Rubini C., **Rossato M.**, De Quattro C., Beltrami C., Sollini G., Pasquini E., Amati M., Goteri G., Santarelli L., Re M. AGO2-RIP-Seq reveals miR-34/miR-449 cluster targetome in sinonasal cancers. (2024) PLoS ONE, 19 (1 January), art. no. e0295997. doi: 10.1371/journal.pone.0295997
10) Çakan E, Ah Kioon MD, Garcia-Carmona Y, Glauzy S, Oliver D, Yamakawa N, Vega Loza A, Du Y, Schickel JN, Boeckers JM, Yang C, Baldo A, Ivashkiv LB, Young RM, Staudt LM, Moody KL, Nündel K, Marshak-Rothstein A, van der Made CI, Hoischen A, Hayward A, **Rossato M**, Radstake TRDJ, Cunningham-Rundles C, Ryu C, Herzog EL, Barrat FJ, Meffre E. TLR9 ligand sequestration by chemokine CXCL4 negatively affects central B cell tolerance. J Exp Med. 2023 Dec 4;220(12):e20230944. doi: 10.1084/jem.20230944.
11) Monti M., Ferrari G., Grosso V., Missale F., Bugatti M., Cancila V., Zini S., Segala A., La Via L., Consoli F., Orlandi M., Valerio A., Tripodo C., **Rossato M.**, Vermi W. Impaired activation of plasmacytoid dendritic cells via toll-like receptor 7/9 and STING is mediated by melanoma-derived immunosuppressive cytokines and metabolic drift. (2023) Frontiers in Immunology, 14, art. no. 1227648. doi: 10.3389/fimmu.2023.1227648.
12) Toffali L, D'Ulivo B, Giagulli C, Montresor A, Zenaro E, Delledonne M, **Rossato M**, Iadarola B, Sbarbati A, Bernardi P, Angelini G, Rossi B, Lopez N, Linke WA, Unger A, Di Silvestre D, Benazzi L, De Palma A, Motta S, Constantin G, Mauri P, Laudanna C. An isoform of the giant protein titin is a master regulator of human T lymphocyte trafficking. Cell Rep. 2023 May 18;42(5):112516. doi: 10.1016/j.celrep.2023.112516.
13) **Rossato M***, Marcolungo L, De Antoni L, Lopatriello G, Bellucci E, Cortinovis G, Frascarelli G, Nanni L, Biotcchi E, Di Vittori V, Vincenzi L, Lucchini F, Bett KE, Remsay L, Konkin D, Delledonne M*, Papa R*. CRISPR-Cas9-based repeat depletion for the high-throughput genotyping of complex plant genomes. Genome Research. 2023 May 1:gr.277628.122. doi: 10.1101/gr.277628.122. ***co-corresponding author**
14) Giovenino C, Trajkova S, Pavinato L, Cardaropoli S, Pullano V, Ferrero E, Sukarova-Angelovska E, Carestiato S, Salmin P, Rinninella A, Battaglia A, Bertoli L, Fadda A, Palermo F, Carli D, Mussa A, Dimartino P, Bruselles A, Froukh T, Mandrile G, Pasini B, De Rubeis S, Buxbaum JD, Pippucci T, Tartaglia M, **Rossato M**, Delledonne M, Ferrero GB, Brusco A. Skewed X-chromosome inactivation in unsolved neurodevelopmental disease cases can guide re-evaluation For X-linked genes. Eur J Hum Genet. 2023 Mar 6. doi: 10.1038/s41431-023-01324-w.
15) A. Passera, V. Grosso, N., Miotti, **M. Rossato**, F. Gaffuri, P. Casati, M. Delledonne, P.A. Bianco. Nanoplate digital PCR assays for detection and quantification of Xylella fastidiosa. Phytopathologia Mediterranea. 13 Jan 2023. 61(3):489-503. doi: 10.36253/phyto-13803

16) Marcolungo L, Vincenzi L, Ballottari M, Cecchin M, Cosentino E, Mignani T, Limongi A, Ferraris I, Orlandi M, **Rossato M**, Delledonne M. Structural Refinement by Direct Mapping Reveals Assembly Inconsistencies near Hi-C Junctions. Plants (Basel). 2023 Jan 10;12(2):320. doi: 10.3390/plants12020320.

17) Lopatriello G, Maestri S, Alfano M, Papa R, Di Vittori V, De Antoni L, Bellucci E, Pieri A, Bitocchi E, Delledonne M, **Rossato M***. CRISPR/Cas9-Mediated Enrichment Coupled to Nanopore Sequencing Provides a Valuable Tool for the Precise Reconstruction of Large Genomic Target Regions. Int J Mol Sci. 2023 Jan 5;24(2):1076. doi: 10.3390/ijms24021076.

***co-corresponding author**

18) Servaas NH, Hiddingh S, Chouri E, Wichers CGK, Affandi AJ, Ottria A, Bekker CPJ, Cossu M, Silva-Cardoso SC, van der Kroef M, Hinrichs AC, Carvalheiro T, Vazirpanah N, Beretta L, **Rossato M**, Bonte-Mineur F, Radstake TRDJ, Kuiper JJW, Boes M, Pandit A. Nuclear Receptor Subfamily 4A Signaling as a Key Disease Pathway of CD1c+ Dendritic Cell Dysregulation in Systemic Sclerosis. Arthritis Rheumatol. 2023 Feb;75(2):279-292. doi: 10.1002/art.42319.

19) Maestri S, Grosso V, Alfano M, Lavezzari D, Piubelli C, Bisoffi Z, **Rossato M***, Delledonne M. STArS (STrain-Amplicon-Seq), a targeted nanopore sequencing workflow for SARS-CoV-2 diagnostics and genotyping. Biol Methods Protoc. 2022 Aug 25;7(1):bpac020. doi: 10.1093/biomethods/bpac020. eCollection 2022. ***Corresponding author**

20) Alfano M, De Antoni L, Centofanti F, Visconti VV, Maestri S, Degli Esposti C, Massa R, D'Apice MR, Novelli G, Delledonne M, Botta A, **Rossato M*.** Characterization of full-length CNBP expanded alleles in myotonic dystrophy type 2 patients by Cas9-mediated enrichment and nanopore sequencing. Elife. 2022 Aug 26;11:e80229. doi: 10.7554/eLife.80229.

***Corresponding author**

21) Di Vincenzo M, De Quattro C, **Rossato M**, Lazzarini R, Delli Carpini G, Ciavattini A, Orciani M. A Possible Cause for the Differential Expression of a Subset of miRNAs in Mesenchymal Stem Cells Derived from Myometrium and Leiomyoma. Genes (Basel). 2022 Jun 21;13(7):1106. doi: 10.3390/genes13071106.

22) Maestri S, Gambino G, Lopatriello G, Minio A, Perrone I, Cosentino E, Giovannone B, Marcolungo L, Alfano M, Rombauts S, Cantu D, **Rossato M**, Delledonne M, Calderón L. 'Nebbiolo' genome assembly allows surveying the occurrence and functional implications of genomic structural variations in grapevines (Vitis vinifera L.). BMC Genomics. 2022 Feb 24;23(1):159. doi: 10.1186/s12864-022-08389-9.

23) Ottria A, Zimmermann M, Paardekooper LM, Carvalheiro T, Vazirpanah N, Silva-Cardoso S, Affandi AJ, Chouri E, V D Kroef M, Tieland RG, Bekker CPJ, Wichers CGK, **Rossato M**, Mocholi-Gimeno E, Tekstra J, Ton E, van Laar JM, Cossu M, Beretta L, Garcia Perez S, Pandit A, Bonte-Mineur F, Reedquist KA, van den Bogaart G, Radstake TRDJ, Marut W. Hypoxia and TLR9 activation drive CXCL4 production in systemic sclerosis plasmacytoid dendritic cells via mtROS and HIF-2α. Rheumatology 2022 May 30;61(6):2682-2693. doi: 10.1093/rheumatology/keab532.

24) Iadarola B, Lavezzari D, Modi A, Degli Esposti C, Beltrami C, **Rossato M**, Zaro V, Napione E, Latella L, Lari M, Caramelli D, Salviati A, Delledonne M. Whole-exome sequencing of the mummified remains of Cangrande della Scala (1291-1329 CE) indicates the first known case of late-onset Pompe disease. Sci Rep. 2021 Oct 26;11(1):21070. doi: 10.1038/s41598-021-00559-1.

25) Grosso V, Marcolungo L, Maestri S, Alfano M, Lavezzari D, Iadarola B, Salviati A, Mariotti B, Botta A, D'Apice MR, Novelli G, Delledonne M, **Rossato M*.** Characterization of FMR1 Repeat Expansion and Intragenic Variants by Indirect Sequence Capture. Front Genet. 2021 Sep 27;12:743230.doi: 10.3389/fgene.2021.743230. ***corresponding author**

26) Servaas NH, Mariotti B, van der Kroef M, Wichers CGK, Pandit A, Bazzoni F, Radstake TRDJ, **Rossato M*.** Characterization of Long Non-Coding RNAs in Systemic Sclerosis Monocytes: A Potential Role for PSMB8-AS1 in Altered Cytokine Secretion. Int J Mol Sci. 2021 Apr 22;22(9):4365. doi: 10.3390/ijms22094365. ***corresponding author**

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Verona, 27 September 2025

DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONE O DELL'ATTO DI NOTORIETÀ
(artt. 46 e 47 del D.P.R. 445/2000)

La sottoscritta Marzia Rossato nata a Mirano (VE) il 18/12/1981 e residente in Santa Maria di Sala (VE), 30036, via Giotto 25/A, tel. 3482446984, codice fiscale RSSMRZ81T58F241Z, consapevole della responsabilità penale cui può andare incontro in caso di dichiarazione mendace, ai sensi dell'art. 76 del D.P.R. 445 del 28/12/2000,

DICHIARA

che tutto quanto riportato nel presente Curriculum Vitae corrisponde al vero.

Verona, 27 September 2025