MODELLO PER IL CURRICULUM VITAE

INFORMAZIONI PERSONALI

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Data di nascita		
Qualifica		Ricercatore sanitario
Amministrazione		Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano
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TITOLI DI STUDIO E PROFESSIONALI ED ESPERIENZE LAVORATIVE

Titolo di studio		Laurea specialistica in Bioinformatica
Altri titoli di studio e professionali		Dottorato di ricerca in Medicina Molecolare. Curriculum: Genomica Proteomica e Tecnologie correlate, Università degli studi di Milano, Milano Master di II livello, Epidemiologia Genetica Molecolare, Università degli Studi di Pavia, Pavia
Esperienze professionali (incarichi ricoperti)		01/11/2024 – oggi Dipendente con qualifica di Ricercatore Sanitario (disciplina Bioinformatica) presso la Fondazione IRCCS Istituto Neurologico Carlo Besta, UOC Neurologia 3 – Neuroalgologia, Milano. Rapporto di lavoro a tempo indeterminato e tempo pieno. Dicembre 2023 - oggi Responsabile del laboratorio congiunto con il Politecnico di Milano, Computational multi-Omics of Neurological Disorders (MIND Lab). 16/04/2022 – 31/10/2024 Dipendente con qualifica di Ricercatore Sanitario (disciplina Bioinformatica) presso la Fondazione IRCCS Istituto Neurologico Carlo Besta, UOC Neurologia 3 – Neuroalgologia, Milano. Rapporto di lavoro a tempo determinato e tempo pieno. 05/09/2018 – 31/12/2021 Ricercatore (disciplina Bioinformatica) con rapporto di collaborazione coordinata e continuativa (Co.Co.Co.) presso la Fondazione IRCCS Istituto Neurologico Carlo Besta, UOC Neurologia 3 – Neuroalgologia, Milano. 01/03/2010 – 30/03/2018 Ricercatore con rapporto di assegno di ricerca presso il Dipartimento di Scienze della Salute, Università degli Studi di Milano, Milano 01/10/2006 – 15/12/2009 Dottorato di Ricerca in Medicina Molecolare presso il Dipartimento di Scienze e Tecnologie Biomediche, Università degli Studi di Milano, Milano 01/09/2006 – 30/11/2007 Contratto di collaborazione a progetto presso l'Istituto di tecnologie biomediche (ITB), Consiglio Nazionale delle Ricerche(CNR), Segrate (MI)

		01/12/2005 – 31/08/2006 Borsa di Studio presso il Dipartimento di Scienze dell'ambiente e del territorio (DISAT), Università degli Studi di Milano-Bicocca, Milano
Capacità linguistiche		Lingua Italiano: lingua madre Lingua Inglese: livello professionale
Capacità nell'uso delle tecnologie		Utilizzo avanzato di ambienti Linux e Windows. Esperienza nella gestione e analisi di big data su cluster HPC Linux e nello sviluppo di pipeline bioinformatiche per dati NGS di genomica e trascrittomica. Competenze in programmazione e analisi statistica in R, scripting Unix/Linux e uso di strumenti open-source per la bioinformatica.
Altro (partecipazione a convegni e seminari, pubblicazioni, collaborazione a riviste, ecc., ed ogni altra informazione che il dirigente ritiene di dover pubblicare)		ORCID ID: 0000-0002-2724-2291 SCOPUS ID: 57860926600 Partecipazioni a convegni e conferenze nazionali ed internazionali come discente e presenting author (ESHG, ASHG, SIGU, ASNP, CIBB). Attività editoriale: • Attività editoriale come revisore in riviste peer-reviewed: Frontiers in neurology, Frontiers in genetics, Journal of the Peripheral Nervous System, Ophthalmic Research, Neurological Sciences, Scientific reports, Journal of hypertension, Gene reports • Topic Editor di Frontiers in genetics 2025: Bioinformatics and Statistical Genetics Approaches for Omics-Based Dissection of Complex Traits Brevetti: • Co-Inventore del brevetto di invenzione nr. 102023000009462 del 11/5/2023- mIRNA SLA, microRNA come strumento diagnostico e per lo sviluppo di terapie avanzate nella sclerosi laterale amiotrofica con esordio bulbare • Co-Inventore del brevetto di invenzione nr. 102023000013221 del 27/06/2023, MicroRNA come biomarcatori diagnostici e agenti terapeutici per la neuropatia delle piccole fibre Finanziamenti: 1. Fondi 5XMILLE 2018 – RC 2018 progetto PAIN RISK - Risk stratification of painful peripheral neuropathies - (Rif. Int. RC18.4), 1/10/2021-30/09/2025, Principal Investigator 2. Fondazione Regionale per la Ricerca Biomedica "Spinal Muscular Atrophy Translating Customized Health Innovations to Newborn and Grown-up patients". BANDO GIOVANI "EARLY CAREER AWARD - II EDIZIONE" 2023, anno di inizio 2024, responsabile di WP 3. AriSLA, "Bulbar onset ALS clustering by clinical informed multi-omics (BULB-OMICS)", Bando Arisla 2023, responsabile di WP 4. PNRR, "Disease biosignatures in ALS/FTD spectrum: new impactful biological perspectives beyond clinical approaches", PNRR: M6/C2_CALL 2023, Collaborator responsabile di WP. 5. PNRR, "Comprehensive in vitro approach to unravel the pathogenetic mechanisms underlying the novel family of PLIN4 gene expansion-related myopathy and identify biomarkers for early diagnosis". PNRR: M6/C2_CALL 2023. Collaborator responsabile di WP. 6. COST Action CA24166 INFLAMomx 2025 - Pan-European Network for Inflammaging: A Multi-omics Integration Approach. Secondary proposer. Pubblicazioni h-index: 41 (fonte Scopus) 1. D'Amato I, Ganguzza E, Basilisco G, Strippoli A, **Salvi E,** Mehmeti E, Chiappori F, Devigili G, Vecchi M, Lauria G and Marchi M (2025) A unique case of late-onset CIPO caused by a missense mutation in the long isoform of FLNA. Front. Genet. 16:1611614. doi: 10.3389/fgene.2025.1611614 2. Galluzzo A, Maffezzini M, Fumagalli ML, Sambruni I, Musio S, Patanè M, Paterra R, **Salvi E**, et al. The anti-aging Klotho protects glioblastoma macrophages from radiotherapy-induced inflammation and predicts immunotherapy response. Int J Cancer. 2025 Nov 15;157(10):2156-2172. doi: 10.1002/ijc.70038. Epub 2025 Jul 21. PMID: 40686387; PMCID: PMC12439078. 3. Singh AK, Bernabucci M, Dvorak NM, Haghighijoo Z, Di Re J, Goode NA, Kadakia FK, Maile LA, Folorunso OO, Wadsworth PA, Tapia CM, Wang P, Wang J, Chen H, Xue Y, Singh J, Hankerd K, Gamez IJ, Kager M, Truong V, Walsh P, Shiers SI, Kuttanna N, Liao H, Marchi M, **Salvi E**, et al. Sensory neuron-expressed FGF13 controls nociceptive signaling in diabetic neuropathy models. J Clin Invest. 2025 Jul 15;135(14):e183749. doi: 10.1172/JCI183749. PMID: 40662354 4. Brugnoni R, **Salvi E**, Moresco E, Gallone A, Tufano L, Garibaldi M, Filosto M, Grandis M, Maggi L. Pharmacogenetic pilot study of CYP2D6 and CYP1A2 genes in Italian patients with non-dystrophic myotonia and myotonic dystrophy treated with mexiletine. Gene. 2025 Aug 10;960:149536. doi: 10.1016/j.gene.2025.149536. Epub 2025 May 3. PMID: 40324568.

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Il presente CV ha funzione di autocertificazione ai sensi del D.P.R. n. 445 del 28/12/2000. Il sottoscritto è a conoscenza che, ai sensi dell'art. art. 76 del DPR 445/2000, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali. Inoltre, il sottoscritto autorizza al trattamento dei dati personali ai sensi dell'art. 13 GDPR 679/16 – "Regolamento europeo sulla protezione dei dati personali". Dichiaro altresì di essere informata che i dati personali raccolti saranno trattati, anche con strumenti informatici, esclusivamente nell'ambito del procedimento per il quale la presente dichiarazione viene resa, e che al riguardo competono alla sottoscritta i diritti previsti dall'art. 7 del medesimo provvedimento di legge.

Data: 09 ottobre 2025

F.to
ERIKA SALVI

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