

Curriculum



Nome Name:	Fabiola
Cognome Surname:	De Marchi

ORCID:	0000-0003-0197-1880
Scopus Author ID:	56385357700
WOS Author ID:	AAC-5273-2022
Sito WEB WEB site:	n.d.

POSIZIONE PROFESSIONALE ATTUALE / CURRENT PROFESSIONAL POSITION:

Posizione attuale Current position:	In servizio
Qualifica Qualification:	Ricercatore a t.d. - t.pieno (art. 24 c.3-b L. 240/10)
Ateneo/Ente/Azienda University/Institution/Company:	Università degli Studi del PIEMONTE ORIENTALE
Nazione Ateneo/Ente/Azienda University/Institution/Company Country:	ITA
Anno inizio Start Year:	2024
Anno fine End Year:	n.d.

PRECEDENTI ESPERIENZE LAVORATIVE (ULTIMI 10 ANNI) / PREVIOUS WORK EXPERIENCE (LAST 10 YEARS):

Qualifica Qualification:	Ricercatore a t.d. - t.pieno (art. 24 c.3-b L. 240/10)
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Ateneo/Ente/Azienda University/Institution/Company	Università degli Studi del PIEMONTE ORIENTALE
Posizione Sede Lavorativi (indicare Nazione e Città) Workplace Location (specify Country and City):	Novara, NO, Italia
Anno inizio Start Year:	2022
Anno fine End Year:	2025
Descrizione Description:	Ricercatore RTD-B MED26 (Neurologia)

LINGUE / LANGUAGES:

Lingua Language:	Inglese
Scrittura Writing:	C1
Comunicazione Communication:	C1

AREA/SETTORE SCIENTIFICO-DISCIPLINARE / AREA/SECTOR SCIENTIFIC-DISCIPLINARY

Area scientifico-disciplinare Area scientific-disciplinary:	Scienze mediche
Area scientifico-disciplinare codice Area scientific-disciplinary code:	06
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-Neurologia
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-MEDS-12/A

DESCRIZIONE DEI PRINCIPALI RISULTATI SCIENTIFICI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 PUBBLICAZIONI) / DESCRIPTION OF THE MAIN SCIENTIFIC RESULTS ACHIEVED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 PUBLICATIONS):

Descrizione Description:	<i>Over the past decade, Dr. Fabiola De Marchi has established herself as a prominent clinical researcher in the field of neurodegenerative diseases, particularly focusing on amyotrophic lateral sclerosis (ALS) and frontotemporal dementia (FTD). Her research has centered on the identification of multimodal diagnostic and prognostic biomarkers, combining clinical, neuropsychological, neuroimaging, and biochemical approaches. She has authored over</i>
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	<p>100 peer-reviewed articles, with an h-index of 24 and more than 2200 citations, underscoring the impact of her scientific contributions. As principal or co-investigator, she has been involved in over 20 national and international clinical studies, including trials on emerging therapeutic approaches in ALS (e.g., stem cell therapy, ketogenic diet, Tofersen), as well as observational research exploring novel biomarkers, such as plasma and CSF proteins, inflammatory markers, and neuroimaging correlates. Notably, she has led or participated in multicenter research projects funded through competitive grants, such as the PNRR and international collaborations on OPTN and SOD1 mutations. Her work has contributed to refining ALS phenotypic stratification, integrating metabolic imaging and cognitive assessments with molecular data. She has also played a key role in translational initiatives as Coordinator — such as the Aging Project - Dipartimento di Eccellenza at the University of Piemonte Orientale — aimed at characterizing risk factors for neurological decline in older populations. Dr. De Marchi has also demonstrated a strong commitment to education, serving as lecturer for multiple university courses and mentoring numerous medical and physiotherapy students in thesis work. She has been invited to speak at several national and international conferences, and currently serves on editorial boards and as guest editor for journals such as CNS & Neurological Disorders - Drug Targets, Journal of Clinical Medicine, and Frontiers in Neuroscience. In recognition of her contributions, she has received numerous travel grants, awards, and acknowledgments from scientific societies, including SIN and EAN. Her clinical expertise in neuromuscular disorders, advanced neurophysiology, and telemedicine has also informed her research and institutional roles, including as clinical-scientific lead for the Regional Dementia Plan and a member of various coordination groups on aging and rare neurological diseases. Collectively, these activities illustrate her multidimensional impact across research, clinical care, education, and public health policy in the domain of neurodegenerative disease.</p>
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PUBBLICAZIONI / PUBLICATIONS:

Anno della pubblicazione Year of publication:	2018
Citazione Citation:	Lucia Corrado, Fabiola De Marchi, Sara Tunesi, Gaia Donata Oggioni, Miryam Carecchio, Luca Magistrelli, Silvana Tesei, Giulio Riboldazzi, Alessio Di Fonzo, Clarissa Locci, Ilaria Trezzi, Roberta Zangaglia, Cristina Cereda, Sandra D'Alfonso, Corrado Magnani, Giacomo Pietro Comi, Giorgio Bono, Claudio Pacchetti, Roberto Cantello, Stefano Goldwurm, Cristoforo Comi (2018). The length of SNCA Rep1 microsatellite may influence cognitive evolution in Parkinson's disease. FRONTIERS IN NEUROLOGY, ISSN: 1664-2295, doi: 10.3389/fneur.2018.00213

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	De Marchi, Fabiola, Munitic, Ivana, Vidatic, Lea, Papić, Eliša, Rački, Valentino, Nimac, Jerneja, Jurak, Igor, Novotni, Gabriela, Rogelj, Boris, Vuletic, Vladimira, Liscic, Rajka, Cannon, Jason, Buratti, Emanuele, Mazzini, Letizia, Hecimovic, Silva (2023). Overlapping Neuroimmune Mechanisms and Therapeutic Targets in Neurodegenerative Disorders. BIOMEDICINES, vol. 11, 2793, ISSN: 2227-9059, doi: 10.3390/biomedicines11102793

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	Lombardi, Michele, Corrado, Lucia, Piola, Beatrice, Comi, Cristoforo, Cantello, Roberto, D'Alfonso, Sandra, Mazzini, Letizia, De Marchi, Fabiola (2023). Variability in Clinical Phenotype in TARDBP Mutations: Amyotrophic Lateral Sclerosis Case Description and Literature Review. GENES, vol. 14, 2039, ISSN: 2073-4425, doi: 10.3390/genes14112039

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	De Marchi, Fabiola, Mareschi, Katia, Ferrero, Ivana, Cantello, Roberto, Fagioli, Franca, Mazzini, Letizia (2023). Effect of mesenchymal stromal cell transplantation on long-term survival in amyotrophic lateral sclerosis. CYTOTHERAPY, vol. 25, p. 798-802, ISSN: 1465-3249, doi: 10.1016/j.jcyt.2023.02.005

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	Mazzini, Letizia, De Marchi, Fabiola (2023). iPSC-based research in ALS precision medicine. CELL STEM CELL, vol. 30, p. 748-749, ISSN: 1934-5909, doi: 10.1016/j.stem.2023.05.008

Anno della pubblicazione Year of publication:	2022
Citazione Citation:	Johnson, Stephen A, Fang, Ton, De Marchi, Fabiola, Neel, Dylan, Van Weehaeghe, Donatienne, Berry, James D, Paganoni, Sabrina (2022). Pharmacotherapy for Amyotrophic Lateral Sclerosis: A Review of Approved and Upcoming Agents. DRUGS, vol. 82, p. 1367-1388, ISSN: 0012-6667, doi: 10.1007/s40265-022-01769-1

Anno della pubblicazione Year of publication:	2024
Citazione Citation:	Tondo, Giacomo, Mazzini, Letizia, Caminiti, Silvia Paola, Gallo, Chiara, Matheoud, Roberta, Comi, Cristoforo, Sacchetti, Gian Mauro, Perani, Daniela, De Marchi, Fabiola (2024). Coupling motor evoked potentials and brain [18F]FDG-PET

	in Amyotrophic Lateral Sclerosis: preliminary findings on disease severity. NEUROBIOLOGY OF DISEASE, vol. 199, 106579, ISSN: 1095-953X, doi: 10.1016/j.nbd.2024.106579
Anno della pubblicazione Year of publication:	2022
Citazione Citation:	Tondo, Giacomo, Mazzini, Letizia, Caminiti, Silvia Paola, Sarnelli, Maria Francesca, Corrado, Lucia, Matheoud, Roberta, D'Alfonso, Sandra, Cantello, Roberto, Sacchetti, Gian Mauro, Perani, Daniela, Comi, Cristoforo, De Marchi, Fabiola (2022). Clinical relevance of single-subject brain metabolism patterns in amyotrophic lateral sclerosis mutation carriers. NEUROIMAGE. CLINICAL, vol. 36, ISSN: 2213-1582, doi: 10.1016/j.nicl.2022.103222
Anno della pubblicazione Year of publication:	2020
Citazione Citation:	De Marchi, Fabiola, Sarnelli, Maria Francesca, Seriola, Marcella, De Marchi, Ilaria, Zani, Ermes, Bottone, Nicola, Ambrosini, Serena, Garone, Raffaella, Cantello, Roberto, Mazzini, Letizia (2020). Telehealth Approach For Amyotrophic Lateral Sclerosis Patients: The experience during COVID-19 pandemic. ACTA NEUROLOGICA SCANDINAVICA, ISSN: 0001-6314, doi: 10.1111/ane.13373
Anno della pubblicazione Year of publication:	2020
Citazione Citation:	Paganoni, Sabrina, De Marchi, Fabiola, Chan, James, Thrower, Sara K, Staff, Nathan P, Datta, Neil, Kisanuki, Yaz Y, Drory, Vivian, Fournier, Christina, Pioro, Erik P, Goutman, Stephen A, Atassi, Nazem, Jeon, Maryangel, Caldwell, Sarah, Mcdonough, Timothy, Gentile, Caroline, Liu, Jianing, Turner, Michelle, Denny, Carol, Felice, Kevin, Green, Misty, Scarberry, Stephanie, Abu-Saleh, Saad, Nefussy, Beatrice, Hastings, Debbie, Kim, Sangri, Swihart, Blake, Arcila-Londono, Ximena, Newman, Daniel S, Silverman, Michael, Genge, Angela, Salmon, Kristiana, Elman, Lauren, Mccluskey, Leo, Almasy, Kelly, Gotkine, Marc, Goslin, Kimberly, Cummings, Arlena, Edwards, Eli K, Rivner, Michael, Bouchard, Kristy, Quarles, Brandy, Kwan, Justin, Jaffa, Matthew, Baloh, Robert, Allred, Peggy, Walk, David, Maiser, Samuel, Manousakis, Georgios, Ferment, Valerie, Fernandes, J Americo M, Thaisethawatkul, Pariwat, Heimes, Deborah, Phillips, Melissa, Sams, Laura, Kahler, Melissa, Corcoran, Alecia, Larriviere, Daniel G, Chotto, Sadie, Juba, Gracy (2020). The NEALS primary lateral sclerosis registry. AMYOTROPHIC LATERAL SCLEROSIS AND FRONTOTEMPORAL DEGENERATION, vol. 21, p. 74-81, ISSN: 2167-9223, doi: 10.1080/21678421.2020.1804591

DESCRIZIONE DEI PRINCIPALI PROGETTI DI RICERCA E PREMI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO,

PRINCIPAL INVESTIGATOR O COORDINATORE LOCALE DI PROGETTI DI RICERCA COMPETITIVI NAZIONALI O INTERNAZIONALI, SIGNIFICATIVI PREMI CONSEGUITI PER LA PROPRIA ATTIVITÀ DI RICERCA)/ DESCRIPTION OF THE MAIN RESEARCH PROJECTS AND AWARDS AWARDED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 ACHIEVEMENTS, INCLUDING, FOR EXAMPLE, PRINCIPAL INVESTIGATOR OR LOCAL COORDINATOR OF NATIONAL OR INTERNATIONAL COMPETITIVE RESEARCH PROJECTS, SIGNIFICANT AWARDS AWARDED FOR YOUR RESEARCH ACTIVITY):

Descrizione Description:	<p>2018: winner of "Global Grant GG1870686 Scholarship - Rotary Foundation" for a research fellowship at "Neuromuscular Disease Center Massachusetts General Hospital, Boston, USA"</p> <p>2018: winner of "AAN International Scholarship Award" AAN Annual Meeting, 21-27/04/2018, Los Angeles, US</p> <p>2022: "travel grant" and "awarded oral communication" titled: "Long term survival of participants in the mesenchymal stromal stem cells transplantation in amyotrophic lateral sclerosis" at: "Joint ICGEB - ALS Society of Canada. Symposium on Inflammation & Proteinopathy in ALS/FTD Spectrum Disorder". Rijeka, Croazia</p> <p>2024: young investigator awards at "Third International PLS Conference", 04/12/24, Montreal, Canada</p>
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Descrizione Description:	<p>2022: young sub-investigator of the project "Neural Stem Cell Treatment for Amyotrophic Lateral Sclerosis: A multicenter, randomized placebo controlled and biological endpoints clinical trial", PNRR 2022 (M6/C2)</p>
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Descrizione Description:	<p>2023: co-PI of the project "Discovery of new TARgetable cerebrospinal fluid protein COMplexes for the development of new therapeutic approaches for ALS", Bando Ricerca UPO 2022 (PI: Prof. Marcello Manfredi)</p>
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Descrizione Description:	<p>2024: young sub-investigator in the project "Discovery and validation of protein structural complexes in circulating biofluids as novel biomarkers for early diagnosis, prognosis and therapeutic management of patients affected by neurodegenerative disorders", al bando PNRR codice PNRR-MCNT2-2023-12377375 (M6/C2)</p>
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Descrizione Description:	<p>2024: partner of the project "Translational platform for improved pathogenicity prediction of OPTN variants in amyotrophic lateral sclerosis and related neurodegenerative diseases" at Natječaj "Istraživački projekti" IP-2024-05 (Croatian science foundation)</p>
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DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SVILUPPO DI RETI E RELAZIONI SCIENTIFICHE NAZIONALI E INTERNAZIONALI (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PARTECIPAZIONE O ORGANIZZAZIONE DI CONVEGNI NAZIONALI E INTERNAZIONALI; CONTRIBUTI A CONSORZI DI RICERCA) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF DEVELOPMENT OF NATIONAL AND INTERNATIONAL SCIENTIFIC NETWORKS AND RELATIONS (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, PARTICIPATION OR ORGANIZATION OF NATIONAL AND INTERNATIONAL CONFERENCES; CONTRIBUTIONS TO RESEARCH CONSORTIA):

Descrizione Description:	2018 - ongoing: member of PARALS (Piemonte and Valle d'Aosta ALS register, doi: 10.1016/S2589-7500(21)00274-0, doi: 10.1136/jnnp-2018-319611) 2019 - ongoing: member of SLAGEN (doi: 10.1016/j.neuron.2018.02.027 e doi: 10.1038/s41588-021-00973-1) 01/04/2021 - ongoing: member and reference for ERN AOU Maggiore della Carità di Novara and ENCALS (European Network for the Cure of ALS) 2018 - ongoing: collaboration with "Healey Center for ALS at Mass General", Harvard Medical School, Boston, US (doi: 10.1080/21678421.2021.1900259; doi: 10.23736/51973-9087.20.06245-0) 2024 - ongoing: member of "Gruppo di Coordinamento Malattie Rare SIN"
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Descrizione Description:	09/11/2024: invited speech ""Innovative treatments for ALS: current state and future directions" al 3rd International Congress on "Motor neuron diseases: understanding the pathogenetic mechanisms to develop therapies", Torino, Italia
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Descrizione Description:	13/03/2025: invited speech "Approcci terapeutici innovativi nell'ambito delle malattie rare neurologiche" - Istituto Mondino, Pavia, Italy
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Descrizione Description:	07/05/2021: invited speech "Potential Role of Gut Microbiota in ALS Pathogenesis and Possible Novel Therapeutic Strategies". Congresso "4th Geneva Symposium on the Human Microbiota & Brain Diseases"
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DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SUPPORTO ALLA COMUNITÀ SCIENTIFICA (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI,

INCLUDENDO, A TITOLO DI ESEMPIO, RESPONSABILITÀ DI DIREZIONE DI COMITATI EDITORIALI; INCARICHI DI VALUTAZIONE DELLA RICERCA PRESSO ISTITUZIONI NAZIONALI O INTERNAZIONALI; RESPONSABILITÀ ISTITUZIONALI ALL'INTERNO DELL'ISTITUZIONE DI APPARTENENZA O DI ALTRE ISTITUZIONI) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF SUPPORT TO THE SCIENTIFIC COMMUNITY (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, MANAGEMENT RESPONSIBILITIES OF EDITORIAL COMMITTEES; RESEARCH EVALUATION ROLES AT NATIONAL OR INTERNATIONAL INSTITUTIONS; INSTITUTIONAL RESPONSIBILITIES WITHIN THE INSTITUTION OF AFFILIATION OR OTHER INSTITUTIONS):

Descrizione Description:	
Descrizione Description:	2018 - ongoing: reviewer for: Alzheimer's and Dementia, Frontiers in Immunology, Frontiers in Aging Neuroscience, Scientific Reports, Frontiers in Psychiatry, Neurological Sciences, Plos One, Frontiers in Neurology, International Journal of Molecular Sciences, BMJ case reports
Descrizione Description:	15/12/2021 - ongoing: member of the "Institutional panel" and SIN delegate for "EAN Scientific Panel ALS and frontotemporal dementia"
Descrizione Description:	2024 - ongoing: guest editor for the collection: "Biomarkers in Neurological Diseases: Advances in Diagnostic and Prognostic Tools" in Cellular and Molecular Neurobiology (impact factor: 3.6)

DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI VALORIZZAZIONE DELLE CONOSCENZE (CON ANNESSO ELENCO DI MASSIMO 3 RISULTATI, RELATIVI ALLA PARTECIPAZIONE DEL CANDIDATO ALLE ATTIVITÀ DI VALORIZZAZIONE DELLE CONOSCENZE) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF KNOWLEDGE VALORIZATION (WITH ATTACHED LIST OF MAXIMUM 3 RESULTS, RELATING TO THE CANDIDATE'S PARTICIPATION IN KNOWLEDGE VALORIZATION ACTIVITIES):

Descrizione Description:	
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Informazioni aggiornate alla data di candidatura 16-05-2025

Fabiola De Marchi

Il presente curriculum costituisce allegato e parte integrante dell'incarico sottoscritto