

## **Curriculum Vitae**

**Scientific-disciplinary sector** MED/26 - Neurology

**ORCID** 0000-0002-1125-6779

<b>Education /Professional experience</b>	<p>23/10/97 Degree in Medicine and Surgery at the Second University of Naples "S.U.N."</p> <p>12/11/2002 Specialization in Neurology at the Second University of Naples "S.U.N."</p> <ul style="list-style-type: none"> <li>- March-October 2002 Internship in Stroke Unit at the "Niguarda Cà Granda" Hospital in Milan</li> </ul> <p>Academic years 2003-2004 / 2004/2005 Tutoring in neurology as part of the degree course in Medicine and Surgery of the Second University of Naples "S.U.N."</p> <p>20/12/2006 PhD in Neuroscience at the Second University of Naples "S.U.N."</p> <p>1/10/2008 to date Researcher and Aggregate Professor of Neurology at the University of Campania "L. Vanvitelli"</p> <p>From 2008 to 2013 Teaching of Neurology as part of the degree course in Medicine and Surgery of the University of Campania "L. Vanvitelli"</p> <p>Teaching of Neuroimmunology as part of the Specialization Course in Neurology of the University of Campania "L. Vanvitelli"</p> <p>Teaching of Neuro-oncology as part of the Specialization Course in Neurology of the University of Campania "L. Vanvitelli"</p> <p>Teacher since 2013 in Neurology within the Degree Course of Orthoptics and Ophthalmological Assistance of the University of Campania "L. Vanvitelli"</p> <p>2012 to date Reviewer for MIUR for National Research projects and Reviewer for scientific articles in international journals</p> <p>Associate Editor of the international journal Journal of Alzheimer Disease for the years: 2021 and 2022</p> <p>Guest Editor of the international journal Bioengineering for the year 2022</p> <p>2020 Referee for Alzheimer and Dementia journal</p> <p>2021; 2022 Teaching in the Neurology Course on the Degree Course in Medicine and Surgery (Naples Campus)</p> <p>Guest Editor of the international journal Frontiers in Dementia</p> <p>2022 Referee for European Journal of Neurology</p> <p>23/11/2022 Scientific director of the congress entitled "Cognitive impairment: a look at the present and one at the future". ECM 8. Naples Office</p> <p>January 2023 Referee for the international journal Frontiers in Neurology</p>
Job or position	Researcher in Neurology
Main activities and responsibilities	1st level Medical Director in Neurology
Employer	University of Campania "L. Vanvitelli"
Type of business or sector	Neurology (Med/26)
<b>Istruzione e formazione</b>	
	<b>01/10/2008</b>
Title of qualification awarded	Researcher and Aggregate Professor of Neurology

Main topics /professional skills possessed	Degenerative and non-degenerative dementias																								
Name and type of organization providing education and training	II Neurology of the University of Campania "L. Vanvitelli"																								
<b>Personal skills and competences</b>	Experience in laboratory techniques (immunohistochemistry, Western blot, PCR; ELISA; Chemoluminescence) at the Neurobiopathology Laboratory of the Neurological II of the University of Campania "L.Vanvitelli"																								
Native language	Italian																								
Other language	English																								
Self evaluation <i>European level</i>	<table border="1"> <thead> <tr> <th colspan="2">Comprehension</th> <th colspan="2">Spoken</th> <th colspan="2">Written</th> </tr> <tr> <th>listening</th> <th>reading</th> <th>Oral interaction</th> <th>Oral production</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>B2</td> <td>B2</td> <td>B2</td> <td>B2</td> <td></td> <td>B2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Comprehension		Spoken		Written		listening	reading	Oral interaction	Oral production			B2	B2	B2	B2		B2						
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<b>Computer skills and competences</b>	Knowledge of the main Microsoft and Macintosh work programs
<b>Participation in research projects and multicenter trials</b>	<ul style="list-style-type: none"> <li>▪ Responsible, as masker, of the "Synthesis" randomized, controlled multicenter study on thrombolytic treatment with intravenous rTPA versus intra-arterial rTPA in Acute Ischemic Stroke, at the Niguarda Cà Granda Hospital in Milan, in September 2002.</li> <li>▪ Participation in the 2003-2004-2005 University Research Projects of the Second University of Naples. Project title: Cerebral ischemic penumbra and neuroprotection: clinical research and development of a new experimental model</li> <li>▪ Participation in PRIN 2004: Title of the national research program: Degeneration and regeneration of control and pathological striated muscle. Specific title of the program carried out by the Research Unit: Skeletal muscle tissue engineering: strategies for repair and regeneration in human degenerative myopathies. Scientific Coordinator of the Research Program: Giuseppe Vita (University of Messina II Neurological Cl.)</li> <li>▪ Participation in PRIN 2017-2018: Title of the national research program: "Exploring potential novel predictors of Mild Cognitive Impairment to Alzheimer's Disease progression: genetics, structural and functional neuroimaging." Not funded</li> <li>▪ Progetto di ricerca no profit da titolo: <i>SMiRNA: Studio sul ruolo dei miRNA e LcnRNA come potenziali biomarcatori predittivi di deficit cognitivo nella sclerosi multipla</i> (2021)</li> <li>▪ Progetto di ricerca PNRR 2022 finanziato dal titolo "The interplay between neuroinflammation and extracellular vesicles in the pathogenesis and phenotypic variability of Alzheimer's disease", nel ruolo di collaboratore principale.</li> </ul>
<b>National and international collaborations</b>	<ul style="list-style-type: none"> <li>- The clinical and neuropathological research group on degenerative dementias of the "Carlo Besta" National Neurological Institute in Milan, headed by Dr. Giorgio Giaccone</li> <li>- The research group of the Hôpital de la Pitié-Salpêtrière, Center of Reference for Rare and Early Dementias in Paris</li> <li>- The research group of the Molecular Genetics Center of IRCSS Neuromed, Pozzilli (IS)</li> </ul>
<b>Participation in Congresses as a speaker</b>	<p>26/06/2019 organizer, scientific director and speaker of the congress based in Naples entitled: The "spectrum" of dementias: liquor biomarkers and future perspectives</p> <p>20/09/2019: workshop The importance of early diagnosis of dementia Presentation of a cognitive function screening project. - Villaricca as speaker "Possible therapeutic strategies in the early stages of dementia"</p> <p>12/10/2019 to 15/10/2019 Congress of the Italian Society of Neurology: speaker of the integrated university and territory project</p> <p>AINAT Congress 17/10/2019 to 19/10/2019: as speaker "The spectrum of Fronto-Temporal Lobar Degeneration: from clino-pathological heterogeneity to genetic bases"</p> <p>26/11/2019: Workshop: The role of laboratory diagnostics in neurodegenerative diseases - CTO as speaker "Alzheimer's between Neurobiology and Clinic: the diagnostic evolution in the last decade"</p> <p>02/12/2019: Workshop entitled: "The management of Dementia: diagnostic-therapeutic path between the Territory and the University" as speaker: "Evolution of the diagnostic criteria of dementia in the last decade: advantages and disadvantages"</p> <p>17-18 / 06/2021 Webinar Advanced Course on Dementia - as Scientific Coordinator and speaker of the Lectio Magistralis entitled: "The clinic is always sovereign: in search of symptoms and signs"</p> <p>03/07/2021 Speaker at the Workshop entitled: "Possible therapeutic strategies in the early stages of cognitive decline" - Villa Matilde, Cellole (CE)</p> <p>24/09/2021 Speaker at the Congress entitled: "2<sup>nd</sup> annual refresher course on allergology and autoimmunity" with the relation: Can be CSF biomarkers possible staging of Alzheimer's disease? – Istituto Denza – Napoli</p>

29/10/2021 Speaker at the Residential course: Prevention and early diagnosis of cognitive disorders: roles and perspectives of the parties involved in care, with the relation: "From MCI to the state phase: clinical implications and diagnosis (BMKs)" – San Giorgio a Cremano (NA)

20/11/2021 Speaker at the Regional Congress A.G.E., with the relation: "The spectrum of Fronto-Temporal Lobar Degeneration" – Fisciano (SA)

## Publications

1. Mauro C, Giaccone G, Piscosquito G, Lavorgna A, Nigro M, Di Fede G, Leonardi A, **Coppola C**, Formisano S, Tagliavini F, Cotrufo R, Puoti G (2008) A novel insertional mutation in the prion protein gene: clinical and bio-molecular findings. *J Neurol Neurosurg Psychiatry*. 2008 Dec;79(12):1395-8.
2. Ciccone A, Valvassori L, Ponzio M, Ballabio E, Gasparotti R, Sessa M, Scomazzoni F, Tiraboschi P, Sterzi R; **SYNTHESIS Investigators**. Intra-arterial or intravenous thrombolysis for acute ischemic stroke? The SYNTHESIS pilot trial. *J Neurointerv Surg*. 2010 Mar;2(1):74-9.
3. **Coppola C**, Rossi G, Barbarulo AM, Di Fede G, Foglia C, Piccoli E, Piscosquito G, Saracino D, Tagliavini F, Cotrufo R. A progranulin mutation associated with cortico-basal syndrome in an Italian family expressing different phenotypes of fronto-temporal lobar degeneration. *Neurol Sci*. 2012 Feb;33(1):93-7.
4. De Felice B, Guida M, Guida M, **Coppola C**, De Mieri G, Cotrufo R. A miRNA signature in leukocytes from sporadic amyotrophic lateral sclerosis. *Gene*. 2012 Oct 15;508(1):35-40.
5. Elefante A, Puoti G, Senese R, **Coppola C**, Russo C, Tortora F, de Divitiis O, Brunetti A. Non-alcoholic acute Wernicke's encephalopathy: role of MRI in non typical cases. *Eur J Radiol*. 2012 Dec;81(12).
6. De Felice B, Annunziata A, Fiorentino G, Borra M, Biffali E, **Coppola C**, Cotrufo R, Brettschneider J, Giordana ML, Dalmay T, Wheeler G, D'Alessandro R. miR-338-3p is over-expressed in blood, CFS, serum and spinal cord from sporadic amyotrophic lateral sclerosis patients. *Neurogenetics*. 2014 Aug 19.
7. **Coppola C**, Saracino D, Califano F, Barbarulo AM, Di Fede G, Piccoli E, Tagliavini F, Di Iorio G, Rossi G. A case of progressive frontal lobe syndrome in a sporadic form of Cerebral Amyloid Angiopathy: A singular overlap with fronto-temporal dementia? *J Neurol Sci*. 2015 Dec 15;359(1-2):247-9.
8. **Coppola C**, Saracino D, Puoti G, Lus G, Dato C, Le Ber I, Pariente J, Caroppo P, Piccoli E, Tagliavini F, Di Iorio G, Rossi G. A cluster of progranulin C157KfsX97 mutations in Southern Italy: clinical characterization and genetic correlations. *Neurobiol Aging*. 2017 Jan;49:219.e5-219.e13.
9. Ugga L, **Coppola C**, Cocozza S, Saracino D, Caranci F, Tuccillo F, Signoriello E, Casertano S, Di Iorio G, Tedeschi E. Diagnostic contribution of magnetic resonance imaging in an atypical presentation of motor neuron disease. *Quant Imaging Med Surg*. 2017 Dec;7(6):727-731.
10. Melone MAB, Dato C, Paladino S, **Coppola C**, Trebini C, Giordana MT, Perrone L. Verapamil Inhibits Ser202/Thr205 Phosphorylation of Tau by Blocking TXNIP/ROS/p38 MAPK Pathway. *Pharm Res*. 2018 Feb 5;35(2):44.
11. Saracino D, Clot F, Camuzat A, Anquetil V, Hannequin D, Guyant-Maréchal L, Didic M, Guillot-Noël L, Rinaldi D, Latouche M, Forlani S, Ghassab Y, **Coppola C**, Di Iorio G, David I; French research network on FTD/FTD-ALS, Le Guen E, Brice A, Le Ber. Novel VCP mutations expand the mutational spectrum of frontotemporal dementia. *Neurobiol Aging*. 2018 Dec;72:187.e11-187.e14.
12. **Coppola C**, Oliva M, Saracino D, Cipriano L, Capaldo G, Puoti G, Fratta M, Ugga L, D'Amico A. Delayed post-hypoxic leukoencephalopathy with a peculiar autoantibody association. *Neurol Clin Neurosci*. 2019;00:1-3.
13. **Coppola C**, Oliva M, Saracino D, Pappatà S, Zampella E, Cimini S, Ricci M, Giaccone G, Di Iorio G, Rossi G. One novel GRN null mutation, two different aphasia phenotypes. *Neurobiol Aging*. 2020 Mar;87:141.e9-141.e14. doi: 10.1016/j.neurobiolaging.2019.11.008.
14. Cali I, Cracco L, Saracino D, Occhipinti R, **Coppola C**, Appleby BS, Puoti G. Case Report: Histopathology and Prion Protein Molecular Properties in Inherited Prion Disease With a De Novo Seven-Octapeptide Repeat Insertion. *Front Cell Neurosci*. 2020 Jul 8;14:150. doi: 10.3389/fncel.2020.00150.

15. De Felice B, Montanino C, Oliva M, Bonavita S, Di Onofrio V, Coppola C. MicroRNA Expression Signature in Mild Cognitive Impairment Due to Alzheimer's Disease. *Mol Neurobiol*. 2020 Jul 31. doi: 10.1007/s12035-020-02029-7.
16. **Coppola C**, Saracino D, Oliva M, Cipriano L, Puoti G, Pappatà S, Di Fede G, Catania M, Ricci M, Cimini S, Giaccone G, Bonavita S, Rossi G. Singular cases of Alzheimer's disease disclose new and old genetic "acquaintances". *Neurol Sci*. 2020 Oct 2. doi: 10.1007/s10072-020-04774-y.
17. **Coppola C**, Saracino D, Oliva M, Puoti G, Lus G, Le Ber I, Pariente J, Tessitore A, Benussi L, Ghidoni R, Carrara M, Ricci M, Redaelli V, Tiraboschi P, Caroppo P, Giaccone G, Bonavita S, Rossi G. The Rise of the GRN C157KfsX97 Mutation in Southern Italy: Going Back to the Fall of the Western Roman Empire. *J Alzheimers Dis*. 2020 Sep 28. doi: 10.3233/JAD-200924.
18. Dato C, Elefante A, **Coppola C**, Melone MAB, Lus G, Costagliola A, Bruno G, Puoti G. "Borderline" idiopathic CD4 + T-cell lymphocytopenia presenting with atypical progressive multifocal leukoencephalopathy. *J Neuroimmunol*. 2020 Sep 29;349:577420. doi: 10.1016/j.jneuroim.2020.577420.
19. Saracino D, Ferrieux S, Noguès-Lassialle M, Houot M, Funkiewiez A, Sellami L, Deramecourt V, Pasquier F, Couratier P, Pariente J, Géraudie A, Epelbaum S, Wallon D, Hannequin D, Martinaud O, Clot F, Camuzat A, Bottani S, Rinaldi D, Auriacombe S, Sarazin M, Didic M, Claire BB, Thauvin-Robinet C, Lagarde J, Roué-Jagot C, Sellal F, Gabelle A, Etcharry-Bouyx F, Morin A, **Coppola C**, Levy R, Dubois B, Brice A, Colliot O, Gorno-Tempini ML, Teichmann M, Migliaccio R, Le Ber I; French research network on FTD/FTD-ALS. Primary Progressive Aphasia Associated With GRN Mutations: New Insights Into the Non-amyloid Logopenic Variant. *Neurology*. 2021 May 12;10.1212/WNL.0000000000012174. doi: 10.1212/WNL.0000000000012174.
20. Abbadessa G, Lavorgna L, Troisi F, **Coppola C**, Bonavita S. Understanding and managing the impact of the Covid-19 pandemic and lockdown on patients with multiple sclerosis. *Expert Rev Neurother*. 2021 Jul 17. doi: 10.1080/14737175.2021.1957673.
21. Bellini S., Saraceno C., Benussi L., Squitti R., Cimini S., Ricci M., Canafoglia L., Nicsanu R., Rossi G., **Coppola C.**, Puoti G., Ferrari C., Longobardi A., Lombardi M., D'Arrigo G., Verderio C., Binetti G. and Ghidoni R. Plasma Small Extracellular Vesicles with Complement Alterations in GRN/C9orf72 and Sporadic Frontotemporal Lobar Degeneration. *Cells* 2022, 11(3), 488; <https://doi.org/10.3390/cells11030488>
22. Cipriano, L., Saracino, D., Oliva, M., Campana, V., Puoti, G., Conforti, R., Fulgione, L., Signoriello, E., Bonavita, S., & **Coppola, C.** (2022). Systematic Review on the Role of Lobar Cerebral Microbleeds in Cognition. *Journal of Alzheimer's disease : JAD*, 86(3), 1025–1035. <https://doi.org/10.3233/JAD-215323>
23. Petracca, M., Ruggieri, S., Barbuti, E., Ianniello, A., Fantozzi, R., Maniscalco, G. T., Andreone, V., Landi, D., Marfia, G. A., Di Gregorio, M., Iodice, R., Sinisi, L., Maida, E., Missione, R., **Coppola, C.**, Bonavita, S., Borriello, G., Centonze, D., Lus, G., Pozzilli, C., ... Signoriello, E. (2022). Predictors of Cladribine Effectiveness and Safety in Multiple Sclerosis: A Real-World, Multicenter, 2-Year Follow-Up Study. *Neurology and therapy*, 10.1007/s40120-022-00364-6. Advance online publication. <https://doi.org/10.1007/s40120-022-00364-6>
24. Cipriano, L., Oliva, M., Puoti, G., Signoriello, E., Bonavita, S., & **Coppola, C.** (2022). Is the pathology of posterior cortical atrophy clinically predictable?. *Reviews in the neurosciences*, 10.1515/revneuro-2022-0003. Advance online publication. <https://doi.org/10.1515/revneuro-2022-0003>
25. Bellini, S., Saraceno, C., Benussi, L., Geviti, A., Longobardi, A., Nicsanu, R., Cimini, S., Ricci, M., Canafoglia, L., **Coppola, C.**, Puoti, G., Binetti, G., Rossi, G., & Ghidoni, R. (2022). Plasma Small Extracellular Vesicle Cathepsin D Dysregulation in GRN/C9orf72 and Sporadic Frontotemporal Lobar Degeneration. *International journal of molecular sciences*, 23(18), 10693. <https://doi.org/10.3390/ijms231810693>
26. Bellini, S., Saraceno, C., Benussi, L., Squitti, R., Cimini, S., Ricci, M., Canafoglia, L., **Coppola, C.**, Puoti, G., Ferrari, C., Longobardi, A., Nicsanu, R., Lombardi, M., D'Arrigo, G., Verderio, C., Binetti, G., Rossi, G., & Ghidoni, R. (2022). Plasma Small Extracellular Vesicles with Complement Alterations in GRN/C9orf72 and Sporadic Frontotemporal Lobar Degeneration. *Cells*, 11(3), 488. <https://doi.org/10.3390/cells11030488>

27. Rossi, G., Salvi, E., Mehmeti, E., Ricci, M., Villa, C., Prioni, S., Moda, F., Di Fede, G., Tiraboschi, P., Redaelli, V., **Coppola, C.**, Koch, G., Canu, E., Filippi, M., Agosta, F., Giaccone, G., & Caroppo, P. (2022). Semantic and right temporal variant of FTD: Next generation sequencing genetic analysis on a single-center cohort. *Frontiers in aging neuroscience*, 14, 1085406. <https://doi.org/10.3389/fnagi.2022.1085406>
28. Abbadessa, G., Miele, G., Maida, E., Vanore, E., Cipriano, L., **Coppola, C.**, Lavorgna, L., & Bonavita, S. (2023). Immunomodulatory effects of ocrelizumab and candidate biomarkers for monitoring treatment response in multiple sclerosis. *Multiple sclerosis* (Hounds Mills, Basingstoke, England), 13524585221147635. Advance online publication. <https://doi.org/10.1177/13524585221147635>
29. Abbadessa G, Miele G, Maida E, Vanore E, Cipriano L, **Coppola C**, Lavorgna L, Bonavita S. Immunomodulatory effects of ocrelizumab and candidate biomarkers for monitoring treatment response in multiple sclerosis. *Mult Scler*. 2023 Jan 22:13524585221147635. doi: 10.1177/13524585221147635. Epub ahead of print. PMID: 36683286.

**Monographs** AINAT News magazine nr 4: Fronto-temporal dementia - Cinzia Coppola and Mariano Oliva

AINATNews magazine nr 5: Dementia with Lewy bodies - Mariano Oliva and Cinzia Coppola

AINATNews magazine nr 8: Prion diseases - Lorenzo Cipriano and Cinzia Coppola

AINATNews magazine nr 8: The Rise of the GRN C157KfsX97 Mutation in Southern Italy: Going Back to the Fall of the Western Roman Empire – Cinzia Coppola

**Book chapters** Melone M., Dovetto FM, Schiattarella S., Guida A., Coppola C. Word, language and emotions in neurodegenerative diseases. From pathophysiology to clinical studies, with a pilot study on the theming of emotions. Unstable systems ISBN 978-88-255-2712-4 DOI 10.4399/97888255271245 pp. 123-177 (September 2020)

Naples, July 2023

In witness whereof, legible signature of the declarant  
Cinzia Coppola