

**Curriculum Vitae**  
**Europass**



**Informazioni personali**

Nome / Cognome **CRISTOFORO COMI**

Indirizzo

E-mail **comi@med.uniupo.it**

Cittadinanza **ITALIANA**

Data di nascita **12-5-1971**

Sesso **MASCHILE**

**Occupazione/Settore professionale**

**PROFESSORE ASSOCIATO IN NEUROLOGIA (SSD MED 26)**

**DIRETTORE STRUTTURA COMPLESSA UNIVERSITARIA DI NEUROLOGIA, OSPEDALE SANT'ANDREA, VERCELLI DAL GIUGNO 2019**

**Esperienza professionale**

Date **NOVEMBRE 2006-SETTEMBRE 2018:**

Lavoro o posizione ricoperti

**RICERCATORE UNIVERSITARIO  
DIRIGENTE MEDICO I LIVELLO NEUROLOGIA  
AZIENDA OSPEDALIERO-UNIVERSITARIA MAGGIORE DELLA CARITA', NOVARA**

Principali attività e responsabilità

**Attività Clinica**  
Direttore dell Divisione di Neurologia dal 27 giugno 2019

In precedenza, presso AOU Maggiore di Novara:  
Responsabile Centro Disordini del Movimento  
Responsabile Centro Sclerosi Multipla e Ambulatorio di Neuroimmunologia  
Attività cliniche di primo livello, nel contesto di rotazioni programmate nella SCUJ  
Neurologia: consulenze dea, reperibilità festive/notturne, degenza ordinaria, ambulatori di neurologia generale, consulenze neurologiche presso altre divisioni.

**Attività di ricerca**

Responsabile Laboratorio di Neurologia Molecolare e Neuroimmunologia, Università del Piemonte Orientale (UPO)  
Collaboratore del Centro di Ricerca Interdisciplinare Malattie Autoimmuni, UPO.

## TEMI CORRENTI DI RICERCA

### 1. Genetica delle malattie neuroinfiammatorie

Analisi dell'influenza di varianti geniche sulla progressione della sclerosi multipla (MS) e delle neuropatie infiammatorie (GBS e CIDP). Identificazione del ruolo dei geni osteopontina e perforina in pazienti MS e CIDP

### 2. Genetica delle malattie neurodegenerative

Analisi dell'influenza di varianti geniche sulla progressione della malattia di Parkinson (PD) e dei parkinsonismi atipici, della malattia di Huntington e delle demenze degenerative primarie (M. di Alzheimer, demenze frontotemporali). Impatto di polimorfismi del gene alfa-sinucleina nella progressione cognitiva dei pazienti con PD. Ruolo di varianti nei geni dei recettori della dopamina nello sviluppo di allucinazioni visive e discinesie nei pazienti con PD. Studio del ruolo di espansioni geniche intermedie nell'evoluzione clinica di pazienti con PD, parkinsonismi atipici e demenze.

Caratterizzazione proteomica di soggetti con fenotipo overalap

### 3. Immunità periferica e malattie neurodegenerative

Studio del ruolo dell'immunità periferica nella malattia di Parkinson. Modificazioni nell'assetto immunitario (valutato in citofluorimetria) e produzione di citochine pro e anti-infiammatorie in pazienti con PD. Ruolo dell'immunità intestinale nei pazienti con PD.

### 4. Proteomica nelle malattie neurodegenerative

Identificazione delle differenze nel profilo proteomico tra pazienti con PD, pazienti con parkinsonismi atipici e soggetti di controllo. Differenze nel proteoma di pazienti PD drug-naive e trattati con farmaci dopaminergici.

Nome e indirizzo del datore di lavoro UNIVERSITÀ DEL PIEMONTE ORIENTALE- OSPEDALE S. ANDREA, VERCELLI

Tipo di attività o settore UNIVERSITÀ-SANITÀ'

## Istruzione e formazione

Date 2002-2006. Dottorato di Ricerca in Medicina Molecolare, UPO

2001-2002. Fellowship in Neurologia, Mount Sinai School of Medicine, New York, USA.

1997-2002. Scuola di Specializzazione in Neurologia. UPO. Diplomato con 70/70 e lode.

1994-1996. Internato in Neurologia, Ospedale L. Sacco, Università degli Studi di Milano.

1990-1996. Corso di Laurea in Medicina e Chirurgia, Università degli Studi di Milano. Laureato con 110/110 e lode.

## Capacità e competenze personali

Madrelingua **Italiano**

Altre lingue **Inglese, spagnolo**

Autovalutazione  
Livello europeo (\*)  
Lingua **inglese**  
Lingua **spagnola**

Comprensione		Parlato		Scritto
Ascolto	Lettura	Interazione orale	Produzione orale	
ottimo	ottimo	ottimo	ottimo	ottimo
buono	buono	buono	buono	discreto

(\*)

## Capacità e competenze tecniche

### Esperienza didattica

2006-oggi. Corso di Neurologia Clinica. Laurea in Fisioterapia. UPO

2012-oggi. Corso di Neurologia Clinica. Laurea in Igiene Dentale. UPO

2014-oggi. Corso di Neurologia. Laurea in Infermieristica. UPO

2006-oggi. Corso di Semeiotica Neurologica. Scuola di Specializzazione in Neurologia, UPO

2010-2011. Corso di Biotecnologie applicate alla Neurologia. Laurea in Biotecnologie Mediche, UPO

2007-2010. Corso di Neurofisiologia. Laurea Triennale in Terapia Occupazionale. Università Cattolica di Roma (sede di Moncrivello-VC).

2006-2008. Corso di Neurologia Clinica. Laurea Triennale per Tecnici di Radiologia. UPO

2004-2008. Corsi di: Semeiotica Neurologica. Neurologia Clinica. Laurea Magistrale in Medicina e Chirurgia UPO

1997-2011. Corsi di Neurofisiologia, Semeiotica Neurologica, Neurologia Clinica. Laurea Triennale in Fisioterapia. UPO

### Esperienza editoriale

Associate Editor: Journal of Alzheimer's disease 2010-2012; 2016-2017)

Editorial Board Member: American journal of Neurodegenerative Disease, Journal of Clinical and Experimental Medicine, Neural Regeneration Research, Journal of Clinical Medicine, Reports.

Ad Hoc Reviewer: Annals of Neurology, Neurology, Archives of Neurology, European Journal of Neurology, Current Aging Science, Neurological Sciences, Journal of Neuroimmunology, Journal of Alzheimer's disease, Expert Review of Clinical Immunology

Reviewer for grant programs: The Parkinson's Disease Society of the United Kingdom, CINECA PRIN research program

### Responsabilità scientifica per progetti di ricerca internazionali e nazionali

"Associate Investigator" nel progetto di ricerca internazionale: "Search for biological markers of inflammatory demyelinating polyneuropathies development and progression: analysis of patients displaying defective function of the Fas apoptotic pathway". Ente finanziatore: GBS/CIDP Syndrome Foundation International, Wynnwood, PA, U.S.A.

Coordinatore Scientifico di Unità Operativa nel progetto di ricerca: "Identification of genetic factors involved in primary progressive multiple sclerosis: a model of neuro-degeneration". Bando giovani ricercatori 2007. Ente finanziatore: Ministero della Salute – Direzione Generale della Ricerca Scientifica e Tecnologica.

"Principal Investigator" nel progetto di ricerca internazionale: "The role of osteopontin and anti-osteopontin antibodies in CIDP". Ente finanziatore: GBS/CIDP Syndrome Foundation International, Wynnwood, PA, U.S.A.

"Principal Investigator" nel progetto di ricerca internazionale: "Development of a tolerogenic vaccination for Chronic Inflammatory Demyelinating Polyradiculoneuropathy (CIDP)". Ente finanziatore: GBS/CIDP Syndrome Foundation International, Wynnwood, PA, U.S.A.

Coordinatore Scientifico di Unità Operativa nel progetto di ricerca: "IL SISTEMA IMMUNITARIO COME BERSAGLIO PER NUOVE TERAPIE FARMACOLOGICHE NELLA MALATTIA DI PARKINSON". Ente finanziatore: Fondazione Unione Banche Italiane per Varese Onlus.

Coordinatore Scientifico di Unità Operativa (pag. 19 del file allegato) nel progetto di ricerca: "BIOLOGICAL MARKERS OF FRAILTY IN THE PHYSIOLOGICAL AND PATHOLOGICAL AGING BRAIN: CORRELATIONS WITH PHARMACOLOGICAL FRAILTY". Ente finanziatore: "AGENZIA ITALIANA DEL FARMACO (AIFA) BANDO 2016".

Coordinatore Scientifico di Unità Operativa nel progetto di ricerca: "RECRUITING AND TRAINING PHYSICIANS SCIENTISTS TO EMPOWER TRANSLATIONAL RESEARCH: A MULTILEVEL TRANSDISCIPLINARY APPROACH FOCUSED ON METHODOLOGY, ETHICS AND INTEGRITY IN BIOMEDICAL RESEARCH". Ente finanziatore: "FONDAZIONE CARIPOLO-Bando Formazione medici- ricercatori".

**Pubblicazioni su riviste internazionali: 103**

**Capitoli di libro: 4**

**Dati bibliometrici SCOPUS: Indice H: 27; n. tot citazioni 2100**

**Pubblicazioni internazionali con peer review:**

Magistrelli L, Storelli E, Rasini E, Contaldi E, Comi C, Cosentino M, Marino F. Relationship between circulating CD4+ T lymphocytes and cognitive impairment in patients with Parkinson's disease. *Brain Behav Immun.* 2020 Jul 17;. doi: 10.1016/j.bbi.2020.07.005. [Epub ahead of print] PubMed PMID: 32688028.

De Francesco E, Terzaghi M, Storelli E, Magistrelli L, Comi C, Legnaro M, Mauri M, Marino F, Versino M, Cosentino M. CD4+ T-Cell Transcription Factors in Idiopathic REM Sleep Behavior Disorder and Parkinson's Disease. *Mov Disord.* 2020 Jul 10;. doi: 10.1002/mds.28137. [Epub ahead of print] PubMed PMID: 32649001.

Strigaro G, Barbero P, Pizzamiglio C, Magistrelli L, Gori B, Comi C, Varrasi C, Cantello R. Cortical visuomotor interactions in Freezing of Gait: A TMS approach. *Neurophysiol Clin.* 2020 Jul;50(3):205-212. doi: 10.1016/j.neucli.2020.04.001. Epub 2020 Apr 27. PubMed PMID: 32354665.

Antonini A, Abbruzzese G, Berardelli A, Modugno N, Stroppa I, Tamma F, Sensi M, Mancini F, Cossu G, Stefani A, Tambasco N, Tessitore A, Fabbrini G, Pontieri FE, Solia P, Bentivoglio AR, Comi C, Minafra B, Riboldazzi G, Melchionda D, Martino T, Lopiano L. The TANDEM investigation: efficacy and tolerability of levodopa-carbidopa intestinal gel in (LCIG) advanced Parkinson's disease patients. *J Neural Transm (Vienna).* 2020 Jun;127(6):881-891. doi: 10.1007/s00702-020-02175-1. Epub 2020 Mar 24. PubMed PMID: 32212015.

Pizzamiglio C, Ripellino P, Prandi P, Clemente N, Saggia C, Rossi V, Strigaro G, Luigi Foglio Bonda P, Comi C, Cantello R. Nerve conduction, circulating osteopontin and taxane-induced neuropathy in breast cancer patients. *Neurophysiol Clin.* 2020. pii: S0987-7053(19)30424-1. doi: 10.1016/j.neucli.2019.12.001.

International Multiple Sclerosis Genetics Consortium. Electronic address: chris.cotsapas@yale.edu; International Multiple Sclerosis Genetics Consortium. Low-Frequency and Rare-Coding Variation Contributes to Multiple Sclerosis Risk. *Cell.* 2020 Jan 23;180(2):403. doi: 10.1016/j.cell.2020.01.002.

Comi C, Casentino M, Pacheco R. Editorial on the Research Topic Peripheral Immunity in Parkinson's Disease: Emerging Role and Novel Target for Therapeutics. *Front Neurol* 2019; 10:1080. doi: 10.3389/fneur.2019.01080

Tondo G, Perani D, Comi C. TAM Receptor Pathways at the Crossroads of Neuroinflammation and Neurodegeneration. *Dis Markers* 2019; in press.

Cosentino M, Comi C, Marino F. The vermiform appendix in Parkinson's disease: At the crossroad of peripheral immunity, the nervous system and the intestinal microbiome. *Autoimmun Rev* 2019;18:102357.

International Multiple Sclerosis Genetics Consortium. Electronic address: chris.cotsapas@yale.edu; International Multiple Sclerosis Genetics Consortium. Low-Frequency and Rare-Coding Variation Contributes to Multiple Sclerosis Risk. *Cell.* 2019;178:262.

Magistrelli L, Amoruso A, Mogna L, Graziano T, Cantello R, Pane M, Comi C. Probiotics May Have Beneficial Effects in Parkinson's Disease: In vitro Evidence. *Front Immunol.* 2019;10:969.

Crespi I, Vecchio D, Serino R, Saliva E, Virgilio E, Sulas MG, Bellomo G, Dianzani U, Cantello R, Comi C. K Index is a Reliable Marker of Intrathecal Synthesis, and an Alternative to IgG Index in Multiple Sclerosis Diagnostic Work-Up. *J Clin Med.* 2019;8.

Dianzani C, Vecchio D, Clemente N, Chiochetti A, Martinelli Boneschi F, Galimberti D, Dianzani U, Comi C, Mishto M, Liepe J. Untangling Extracellular Proteasome-Osteopontin Circuit Dynamics in Multiple Sclerosis. *Cells* 2019 20;8.

Magistrelli L, Vecchio D, Naldi P, Comi C, Cantello R. Holmes tremor caused by a natalizumab-related progressive multifocal leukoencephalopathy: a case report and brief review of the literature. *Neurol Sci* 2019;40:1943-1945.

Vecchio D, Crespi I, Virgilio E, Naldi P, Campisi MP, Serino R, Dianzani U, Bellomo G, Cantello R, Comi C. Kappa free light chains could predict early disease course in multiple sclerosis. *Mult Scler Relat Disord* 2019;30:81-84.

Naldi A, Pivetta E, Coppo L, Cantello R, Comi C, Stecco A, Cerrato P, Lesmeister M, Lochner P. Ultrasonography Monitoring of Optic Nerve Sheath Diameter and Retinal Vessels in Patients with Cerebral Hemorrhage. *J Neuroimaging* 2019;29:394-399.

Vecchio D, Naldi P, Ferro V, Comi C, Leone MA, Cantello R. Post-lumbar puncture headache: an adverse effect in multiple sclerosis work-up. *Neurol Sci* 2019;40:759-762.

Cappellano G, Comi C, Chiochetti A, Dianzani U. Exploiting PLGA-Based Biocompatible Nanoparticles for Next-Generation Tolerogenic Vaccines against Autoimmune Disease. *Int J Mol Sci* 2019;20(1). pii: E204.

Magistrelli L, Comi C. Beta2-Adrenoceptor Agonists in Parkinson's Disease and Other Synucleinopathies. *J Neuroimmune Pharmacol* 2019. doi:10.1007/s11481-018-09831-0.

Fleetwood T, Cantello R, Comi C. Antiphospholipid Syndrome and the Neurologist: From Pathogenesis to Therapy. *Front Neurol* 2018;9:1001.

Trojano M, Bergamaschi R, Amato MP, Comi G, Ghezzi A, Lepore V, Marrosu MG, Mosconi P, Patti F, Ponzio M, Zaratin P, Battaglia MA; Italian Multiple Sclerosis Register Centers Group. The Italian multiple sclerosis register. *Neurol Sci* 2019;40:155-165.

International Multiple Sclerosis Genetics Consortium. Electronic address: chris.cotsapas@yale.edu; International Multiple Sclerosis Genetics Consortium. Low-Frequency and Rare-Coding Variation Contributes to Multiple Sclerosis Risk. *Cell* 2018;175:1679-1687.e7.

Fenoglio C, Oldoni E, Serpente M, De Riz MA, Arcaro M, D'Anca M, Pietroboni AM, Calvi A, Lecchi E, Goris A, Mallants K, Dubois B, Comi C, Cantello R, Scarpini E, Galimberti D. LncRNAs expression profile in peripheral blood mononuclear cells from multiple sclerosis patients. *J Neuroimmunol*. 2018;324:129-135.

Kustrimovic N, Comi C, Magistrelli L, Rasini E, Legnaro M, Bombelli R, Aleksic I, Blandini F, Minafra B, Riboldazzi G, Sturchio A, Mauri M, Bono G, Marino F, Cosentino M. Parkinson's disease patients have a complex phenotypic and functional Th1 bias: cross-sectional studies of CD4+ Th1/Th2/T17 and Treg in drug-naïve and drug-treated patients. *J Neuroinflammation* 2018;15:205.

Tondo G, De Marchi F, Terazzi E, Prandi P, Sacchetti M, Comi C, Cantello R. Chronic obstructive pulmonary disease may complicate Alzheimer's disease: a comorbidity problem. *Neurol Sci* 2018;39:1585-1589.

Corrado L, De Marchi F, Tunesi S, Oggioni GD, Carecchio M, Magistrelli L, Tesi S, Riboldazzi G, Di Fonzo A, Locci C, Trezzi I, Zangaglia R, Cereda C, D'Alfonso S, Magnani C, Comi GP, Bono G, Pacchetti C, Cantello R, Goldwurm S, Comi C. The Length of SNCA Rep1 Microsatellite May Influence Cognitive Evolution in Parkinson's Disease. *Front Neurol* 2018;9:213.

Mancini F, Di Fonzo A, Lazzeri G, Borellini L, Silani V, Lacerenza M, Comi C. Real life evaluation of safinamide effectiveness in Parkinson's disease. *Neurol Sci* 2018;39:733-739.

Vecchio D, Virgilio E, Naldi P, Comi C, Cantello R. MOG-antibody demyelinating diseases: a case of post-partum severe rhombencephalitis and transverse myelitis. *Mult Scler Relat Disord* 2018;21:9-10.

Lochner P, Cantello R, Fassbender K, Lesmeister M, Nardone R, Siniscalchi A, Clemente N, Naldi A, Coppo L, Brigo F, Comi C. Longitudinal Assessment of Transorbital Sonography, Visual Acuity, and Biomarkers for Inflammation and Axonal Injury in Optic Neuritis. *Dis Markers* 2017;2017:5434310.

Merola A, Rosso M, Romagnolo A, Comi C, Fasano A, Zibetti M, Lopez-Castellanos JR, Cocito D, Lopiano L, Espay AJ. Peripheral neuropathy as marker of severe Parkinson's disease phenotype. *Mov Disord* 2017;32:1256-1258.

Vecchio D, Varrasi C, Comi C, Ripellino P, Cantello R. A patient with autoimmune limb-girdle myasthenia, and a brief review of this treatable condition. *Clin Neurol Neurosurg* 2017;158:53-55.

Prati P, Bignamini A, Coppo L, Naldi A, Comi C, Cantello R, Gusmaroli G, Walter U. The measuring of substantia nigra hyperechogenicity in an Italian cohort of Parkinson disease patients: a case/control study (NOBIS Study). *J Neural Transm (Vienna)* 2017;124:869-879.

Clemente N, Comi C, Raineri D, Cappellano G, Vecchio D, Orilieri E, Gigliotti CL, Boggio E, Dianzani C, Sorosina M, Martinelli-Boneschi F, Caldano M, Bertolotto A, Ambrogio L, Sblattero D, Cena T, Leone M, Dianzani U, Chiocchetti A. Role of Anti-Osteopontin Antibodies in Multiple Sclerosis and Experimental Autoimmune Encephalomyelitis. *Front Immunol* 2017;8:321.

Dianzani C, Bellavista E, Liepe J, Verderio C, Martucci M, Santoro A, Chiocchetti A, Gigliotti CL, Boggio E, Ferrara B, Riganti L, Keller C, Janek K, Niewianda A, Fenoglio C, Sorosina M, Cantello R, Kloetzel PM, Stumpf MP, Paul F, Ruprecht K, Galimberti D, Martinelli Boneschi F, Comi C, Dianzani U, Mishto M. Extracellular proteasome-osteopontin circuit regulates cell migration with implications in multiple sclerosis. *Sci Rep* 2017;7:43718.

Crespi I, Sulas MG, Mora R, Naldi P, Vecchio D, Comi C, Cantello R, Bellomo G. Combined use of Kappa Free Light Chain Index and Isoelectrofocusing of Cerebro-Spinal Fluid in Diagnosing Multiple Sclerosis: Performances and Costs. *Clin Lab* 2017;63:551-559.

Merola A, Romagnolo A, Comi C, Rosso M, Artusi CA, Zibetti M, Lanotte M, Duker AP, Maule S, Lopiano L, Espay AJ. Prevalence and burden of dysautonomia in advanced Parkinson's disease. *Mov Disord* 2017;32:796-797.

Comi C, Tondo G. Insights into the protective role of immunity in neurodegenerative disease. *Neural Regen Res* 2017;12:64-65.

Sensi M, Cossu G, Mancini F, Pilleri M, Zibetti M, Modugno N, Quatralè R, Tamma F, Antonini A; ITALIAN LEVODOPA CARBIDOPA INTESTINAL GEL WORKING GROUP. Which patients discontinue? Issues on

Levodopa/carbidopa intestinal gel treatment: Italian multicentre survey of 905 patients with long-term follow-up. *Parkinsonism Relat Disord* 2017;38:90-92.

Comi C, Ferrari M, Marino F, Magistrelli L, Cantello R, Riboldazzi G, Bianchi ML, Bono G, Cosentino M. Polymorphisms of Dopamine Receptor Genes and Risk of L-Dopa-Induced Dyskinesia in Parkinson's Disease. *Int J Mol Sci* 2017;18. pii: E242.

Clemente N, Raineri D, Cappellano G, Boggio E, Favero F, Soluri MF, Dianzani C, Comi C, Dianzani U, Chiochetti A. Osteopontin Bridging Innate and Adaptive Immunity in Autoimmune Diseases. *J Immunol Res* 2016;2016:7675437.

Lochner P, Leone MA, Fassbender K, Cantello R, Coppo L, Nardone R, Zorzi G, Lesmeister M, Comi C, Brigo F. Transorbital Sonography and Visual Outcome for the Diagnosis and Monitoring of Optic Neuritis. *J Neuroimaging*. 2017;27:92-96.

Kustrimovic N, Rasini E, Legnaro M, Bombelli R, Aleksic I, Blandini F, Comi C, Mauri M, Minafra B, Riboldazzi G, Sanchez-Guajardo V, Marino F, Cosentino M. Dopaminergic Receptors on CD4+ T Naive and Memory Lymphocytes Correlate with Motor Impairment in Patients with Parkinson's Disease. *Sci Rep* 2016;6:33738.

Sainaghi PP, Bellan M, Lombino F, Alciato F, Carecchio M, Galimberti D, Fenoglio C, Scarpini E, Cantello R, Pirisi M, Comi C. Growth Arrest Specific 6 Concentration is Increased in the Cerebrospinal Fluid of Patients with Alzheimer's Disease. *J Alzheimers Dis* 2017;55:59-65.

Ferrari M, Comi C, Marino F, Magistrelli L, De Marchi F, Cantello R, Riboldazzi G, Bono G, Cosentino M. Polymorphisms of dopamine receptor genes and risk of visual hallucinations in Parkinson's patients. *Eur J Clin Pharmacol* 2016;72:1335-1341.

Boggio E, Dianzani C, Gigliotti CL, Soluri MF, Clemente N, Cappellano G, Toth E, Raineri D, Ferrara B, Comi C, Dianzani U, Chiochetti A. Thrombin Cleavage of Osteopontin Modulates Its Activities in Human Cells In Vitro and Mouse Experimental Autoimmune Encephalomyelitis In Vivo. *J Immunol Res* 2016;2016:9345495.

Boggio E, Gigliotti CL, Rossi D, Toffoletti E, Cappellano G, Clemente N, Puglisi S, Lunghi M, Cerri M, Vianelli N, Cantoni S, Tieghi A, Beggiano E, Gaidano G, Comi C, Chiochetti A, Fanin R, Dianzani U, Zaja F. Decreased function of Fas and variations of the perforin gene in adult patients with primary immune thrombocytopenia. *Br J Haematol* 2017;176:258-267.

Ripellino P, Mazzini L, Comi C, Perchinunno M, Stecco A, Cantello R. MRI imaging and clinical features of sciatic nerve injection injury. *Int J Neurosci* 2016;126:658-9.

Strigaro G, Cerino A, Falletta L, Mittino D, Comi C, Varrasi C, Cantello R. Impaired visual inhibition in migraine with aura. *Clin Neurophysiol*. 2015;126:1988-93.

Comi C, Magistrelli L, Oggioni GD, Carecchio M, Fleetwood T, Cantello R, Mancini F, Antonini A. Peripheral nervous system involvement in Parkinson's disease: evidence and controversies. *Parkinsonism Relat Disord* 2014;20:1329-34.

De Marchi F, Carecchio M, Cantello R, Comi C. Predicting cognitive decline in Parkinson's disease: can we ask the genes? *Front Neurol* 2014;5:224.

Buttini S, Cappellano G, Ripellino P, Briani C, Cocito D, Osio M, Cantello R, Dianzani U, Comi C. Variations of the perforin gene in patients with chronic inflammatory demyelinating polyradiculoneuropathy. *Genes Immun* 2015;16:99-102.

Cappellano G, Woldetsadik AD, Orilieri E, Shivakumar Y, Rizzi M, Carniato F, Gigliotti CL, Boggio E, Clemente N, Comi C, Dianzani C, Boldorini R, Chiochetti A, Renò F, Dianzani U. Subcutaneous inverse vaccination with PLGA particles loaded with a MOG peptide and IL-10 decreases the severity of experimental autoimmune encephalomyelitis. *Vaccine*. 2014;32:5681-9.

Frazzitta G, Maestri R, Bertotti G, Riboldazzi G, Boveri N, Perini M, Uccellini D, Turla M, Comi C, Pezzoli G, Ghilardi MF. Intensive rehabilitation treatment in early Parkinson's disease: a randomized pilot study with a 2-year follow-up. *Neurorehabil Neural Repair*. 2015 Feb;29(2):123-31.

Lochner P, Cantello R, Brigo F, Coppo L, Nardone R, Tezzon F, Raymkulova O, Strigaro G, Comi C, Leone MA. Transorbital sonography in acute optic neuritis: a case-control study. *AJNR Am J Neuroradiol* 2014;35:2371-5.

Carecchio M, Cantello R, Comi C. Revisiting the molecular mechanism of neurological manifestations in antiphospholipid syndrome: beyond vascular damage. *J Immunol Res* 2014;2014:239398.

Comi C, Dianzani U, Martinelli Boneschi F, Menkes DL. Advances in neuroimmunology: from bench to bedside. *Autoimmune Dis* 2014;2014:812847.

Ripellino P, Fleetwood T, Cantello R, Comi C. Treatment of chronic inflammatory demyelinating polyneuropathy: from molecular bases to practical considerations. *Autoimmune Dis* 2014;2014:201657.

Bellavista E, Santoro A, Galimberti D, Comi C, Luciani F, Mishto M. Current understanding on the role of standard and immunoproteasomes in inflammatory/immunological pathways of multiple sclerosis. *Autoimmune Dis* 2014;2014:739705.

Frazzitta G, Maestri R, Ghilardi MF, Riboldazzi G, Perini M, Bertotti G, Boveri N, Buttini S, Lombino FL, Uccellini D, Turla M, Pezzoli G, Comi C. Intensive rehabilitation increases BDNF serum levels in parkinsonian patients: a randomized study. *Neurorehabil Neural Repair* 2014;28:163-8.

Mancini F, Comi C, Oggioni GD, Pacchetti C, Calandrella D, Coletti Moja M, Riboldazzi G, Tunesi S, Dal Fante M, Manfredi L, Lacerenza M, Cantello R, Antonini A. Prevalence and features of peripheral neuropathy in Parkinson's disease patients under different therapeutic regimens. *Parkinsonism Relat Disord* 2014;20:27-31.

Carecchio M, Galimberti D, Fenoglio C, Serpente M, Scarpini E, Comi C, Terazzi E, Cantello R. Evidence of pre-synaptic dopaminergic deficit in a patient with a novel progranulin mutation presenting with atypical parkinsonism. *J Alzheimers Dis* 2014;38:747-52.

Cappellano G, Carecchio M, Fleetwood T, Magistrelli L, Cantello R, Dianzani U, Comi C. Immunity and inflammation in neurodegenerative diseases. *Am J Neurodegener Dis*. 2013;2:89-107.

Aricò M, Boggio E, Cetica V, Melensi M, Orilieri E, Clemente N, Cappellano G, Buttini S, Soluri MF, Comi C, Dufour C, Pende D, Dianzani U, Ellis SR, Pagliano S, Marcenaro S, Ramenghi U, Chiochetti A, Dianzani U. Variations of the UNC13D gene in patients with autoimmune lymphoproliferative syndrome. *PLoS One* 2013 1;8(7):e68045.

Carecchio M, Magliozzi M, Copetti M, Ferraris A, Bernardini L, Bonetti M, Defazio G, Edwards MJ, Torrente I, Pellegrini F, Comi C, Bhatia KP, Valente EM. Defining the epsilon-sarcoglycan (SGCE) gene phenotypic signature in myoclonus-dystonia: a reappraisal of genetic testing criteria. *Mov Disord*. 2013;28:787-94.

Alberio T, Pippione AC, Zibetti M, Olgiati S, Cecconi D, Comi C, Lopiano L, Fasano M. Discovery and verification of panels of T-lymphocyte proteins as biomarkers of Parkinson's disease. *Sci Rep*. 2012;2:953.

Comi C, Cappellano G, Chiochetti A, Orilieri E, Buttini S, Ghezzi L, Galimberti D, Guerini F, Barizzone N, Perla F, Leone M, D'Alfonso S, Caputo D, Scarpini E, Cantello R, Dianzani U. The impact of osteopontin gene variations on multiple sclerosis development and progression. *Clin Dev Immunol* 2012;2012:212893.

Alberio T, Pippione AC, Comi C, Olgiati S, Cecconi D, Zibetti M, Lopiano L, Fasano M. Dopaminergic therapies modulate the T-CELL proteome of patients with Parkinson's disease. *IUBMB Life* 2012;64:846-52.

Frazzitta G, Bertotti G, Morelli M, Riboldazzi G, Pelosin E, Balbi P, Boveri N, Comi C, Turla M, Leva S, Felicetti G, Maestri R. Rehabilitation improves dyskinesias in Parkinsonian patients: a pilot study comparing two different rehabilitative treatments. *NeuroRehabilitation* 2012;30:295-301.

Carda S, Invernizzi M, Baricich A, Comi C, Croquelois A, Cisari C. Robotic gait training is not superior to conventional treadmill training in parkinson disease: a single-blind randomized controlled trial. *Neurorehabil Neural Repair* 2012;26:1027-34.

Comi C, Fleetwood T, Dianzani U. The role of T cell apoptosis in nervous system autoimmunity. *Autoimmun Rev*. 2012;12:150-6.

Boggio E, Melensi M, Bocca S, Chiochetti A, Comi C, Clemente N, Orilieri E, Soluri MF, D'Alfonso S, Mechelli R, Gentile G, Poggi A, Salvetti M, Ramenghi U, Dianzani U. The -346T polymorphism of the SH2D1A gene is a risk factor for development of autoimmunity/lymphoproliferation in males with defective Fas function. *Hum Immunol* 2012;73:585-92.

Cappellano G, Orilieri E, Woldetsadik AD, Boggio E, Soluri MF, Comi C, Sblattero D, Chiochetti A, Dianzani U. Anti-cytokine autoantibodies in autoimmune diseases. *Am J Clin Exp Immunol* 2012;1:136-46.

Carecchio M, Fenoglio C, Cortini F, Comi C, Benussi L, Ghidoni R, Borroni B, De Riz M, Serpente M, Cantoni C, Franceschi M, Albertini V, Monaco F, Rainero I, Binetti G, Padovani A, Bresolin N, Scarpini E, Galimberti D. Cerebrospinal fluid biomarkers in Progranulin mutations carriers. *J Alzheimers Dis* 2011;27:781-90.

Fenoglio C, Cantoni C, De Riz M, Ridolfi E, Cortini F, Serpente M, Villa C, Comi C, Monaco F, Mellesi L, Valzelli S, Bresolin N, Galimberti D, Scarpini E. Expression and genetic analysis of miRNAs involved in CD4+ cell activation in patients with multiple sclerosis. *Neurosci Lett* 2011;504:9-12.

Frazzitta G, Bertotti G, Riboldazzi G, Turla M, Uccellini D, Boveri N, Guaglio G, Perini M, Comi C, Balbi P, Maestri R. Effectiveness of intensive inpatient rehabilitation treatment on disease progression in parkinsonian patients: a randomized controlled trial with 1-year follow-up. *Neurorehabil Neural Repair* 2012;26:144-50.

Comi C. Fas-mediated T-cell apoptosis in chronic inflammatory demyelinating polyneuropathy. *J Peripher Nerv Syst* 2011;16 Suppl 1:45-7.

Galimberti D, Macmurray J, Scalabrini D, Fenoglio C, De Riz M, Comi C, Comings D, Cortini F, Villa C, Serpente M, Cantoni C, Ridolfi E, Fardipoor MH, Leone M, Monaco F, Bresolin N, Scarpini E. GSK3 $\beta$  genetic variability in patients with Multiple Sclerosis. *Neurosci Lett* 2011;497:46-8.

Carecchio M, Comi C. The role of osteopontin in neurodegenerative diseases. *J Alzheimers Dis* 2011;25:179-85.

Varrasi C, Strigaro G, Prandi P, Comi C, Mula M, Monaco F, Cantello RM. Complex pattern of convulsive syncope in glossopharyngeal neuralgia: video/EEG report and short review. *Epilepsy Behav* 2011;20:407-9.

Ripellino P, Comi C, Mula M, Varrasi C, Conconi A, Stecco A, Brustia D, Nasuelli N, Savio K, De Paoli L, Cantello R, Gaidano G, Monaco F. Progressive multifocal leucoencephalopathy after autologous bone marrow transplantation: a treatment option. *BMJ Case Rep* 2011;2011. pii: bcr1120103549.

Carecchio M, Collini A, Comi C, Cantello R, Bhatia KP, Monaco F. Levodopa-induced belly dancer's dyskinesias in Parkinson's disease: report of one case. *Mov Disord* 2010;25:1760-2.

Benedetti L, Briani C, Franciotta D, Fazio R, Paolasso I, Comi C, Luigetti M, Sabatelli M, Giannini F, Mancardi GL, Schenone A, Nobile-Orazio E, Cocito D. Rituximab in patients with chronic inflammatory demyelinating polyradiculoneuropathy: a report of 13 cases and review of the literature. *J Neurol Neurosurg Psychiatry* 2011;82:306-8.

Sabbatini M, Comi C, Chiochetti A, Piffanelli V, Car PG, Dianzani U, Monaco F, Cannas M. Signals of apoptotic pathways in several types of meningioma. *Pathos Oncol Res* 2011;17:51-9.

Fenoglio C, Scalabrini D, Esposito F, Comi C, Cavalla P, De Riz M, Martinelli V, Piccio LM, Venturelli E, Fumagalli G, Capra R, Collimedaglia L, Ghezzi A, Rodegher ME, Vercellino M, Leone M, Giordana MT, Bresolin N, Monaco F, Comi G, Scarpini E, Martinelli-Boneschi F, Galimberti D. Progranulin gene variability increases the risk for primary progressive multiple sclerosis in males. *Genes Immun* 2010;11:497-503.

Comi C, Carecchio M, Chiochetti A, Nicola S, Galimberti D, Fenoglio C, Cappellano G, Monaco F, Scarpini E, Dianzani U. Osteopontin is increased in the cerebrospinal fluid of patients with Alzheimer's disease and its levels correlate with cognitive decline. *J Alzheimers Dis* 2010;19:1143-8.

Cocito D, Paolasso I, Antonini G, Benedetti L, Briani C, Comi C, Fazio R, Jann S, Matà S, Mazzeo A, Sabatelli M, Nobile-Orazio E; Italian Network for CIDP Register. A nationwide retrospective analysis on the effect of immune therapies in patients with chronic inflammatory demyelinating polyradiculoneuropathy. *Eur J Neurol* 2010;17:289-94.

Comi C, Osio M, Ferretti M, Mesturini R, Cappellano G, Chiochetti A, Carecchio M, Nascimbene C, Varrasi C, Cantello R, Mariani C, Monaco F, Dianzani U. Defective Fas-mediated T-cell apoptosis predicts acute onset CIDP. *J Peripher Nerv Syst* 2009;14:101-6.

Carecchio M, Fenoglio C, De Riz M, Guidi I, Comi C, Cortini F, Venturelli E, Restelli I, Cantoni C, Bresolin N, Monaco F, Scarpini E, Galimberti D. Progranulin plasma levels as potential biomarker for the identification of GRN deletion carriers. A case with atypical onset as clinical amnesic Mild Cognitive Impairment converted to Alzheimer's disease. *J Neurol Sci* 2009;287:291-3.

Carecchio M, Comi C, Varrasi C, Stecco A, Sainaghi PP, Bhatia K, Carriero A, Cantello R, Monaco F. Complex movement disorders in primary antiphospholipid syndrome: a case report. *J Neurol Sci* 2009;281:101-3.

Fedi M, Cantello R, Shuey NH, Mitchell LA, Comi C, Monaco F, Versino M. Spontaneous intracranial hypotension presenting as a reversible dorsal midbrain syndrome. *J Neuroophthalmol* 2008;28:289-92.

Cappellano G, Orilieri E, Comi C, Chiochetti A, Bocca S, Boggio E, Bernardone IS, Cometa A, Clementi R, Barizzone N, D'Alfonso S, Corrado L, Galimberti D, Scarpini E, Guerini FR, Caputo D, Paolicelli D, Trojano M, Figà-Talamanca L, Salvetti M, Perla F, Leone M, Monaco F, Dianzani U. Variations of the perforin gene in patients with multiple sclerosis. *Genes Immun* 2008;9:438-44.

Galimberti D, Fenoglio C, Comi C, Scalabrini D, De Riz M, Leone M, Venturelli E, Cortini F, Piola M, Monaco F, Bresolin N, Scarpini E. MDC/CCL22 intrathecal levels in patients with multiple sclerosis. *Mult Scler* 2008;14:547-9.

Galimberti D, Scalabrini D, Fenoglio C, De Riz M, Comi C, Venturelli E, Cortini F, Piola M, Leone M, Dianzani U, D'Alfonso S, Monaco F, Bresolin N, Scarpini E. Gender-specific influence of the chromosome 16 chemokine gene cluster on the susceptibility to Multiple Sclerosis. *J Neurol Sci* 2008;267:86-90.

Scalabrini D, Fenoglio C, Scarpini E, De Riz M, Comi C, Venturelli E, Cortini F, Piola M, Villa C, Naldi P, Monaco F, Bresolin N, Galimberti D. Candidate gene analysis of SPARCL1 gene in patients with multiple sclerosis. *Neurosci Lett* 2007;425:173-6.

Castelli L, Comi C, Chiochetti A, Nicola S, Mesturini R, Giordano M, D'Alfonso S, Cerutti E, Galimberti D, Fenoglio C, Tesser F, Yagi J, Rojo JM, Perla F, Leone M, Scarpini E, Monaco F, Dianzani U. ICOS gene haplotypes correlate with IL10 secretion and multiple sclerosis evolution. *J Neuroimmunol* 2007;186:193-8.

Galimberti D, Scalabrini D, Fenoglio C, Comi C, De Riz M, Venturelli E, Lovati C, Mariani C, Monaco F, Bresolin N, Scarpini E. CXCL10 haplotypes and multiple sclerosis: association and correlation with clinical course. *Eur J Neurol*



2007;14:162-7.

Mesturini R, Nicola S, Chiocchetti A, Bernardone IS, Castelli L, Bensi T, Ferretti M, Comi C, Dong C, Rojo JM, Yagi J, Dianzani U. ICOS cooperates with CD28, IL-2, and IFN-gamma and modulates activation of human naïve CD4+ T cells. *Eur J Immunol* 2006;36:2601-12.

Comi C, Gaviani P, Leone M, Ferretti M, Castelli L, Mesturini R, Ubezio G, Chiocchetti A, Osio M, Muscia F, Bogliun G, Corso G, Gavazzi A, Mariani C, Cantello R, Monaco F, Dianzani U. Fas-mediated T-cell apoptosis is impaired in patients with chronic inflammatory demyelinating polyneuropathy. *J Peripher Nerv Syst* 2006;11:53-60.

Scalabrini D, Galimberti D, Fenoglio C, Comi C, De Riz M, Venturelli E, Castelli L, Piccio L, Ronzoni M, Lovati C, Mariani C, Monaco F, Bresolin N, Scarpini E. P-selectin glycoprotein ligand-1 variable number of tandem repeats (VNTR) polymorphism in patients with multiple sclerosis. *Neurosci Lett* 2005;388:149-52.

Galimberti D, Fenoglio C, Clerici R, Comi C, De Riz M, Rottoli M, Piccio L, Ronzoni M, Venturelli E, Monaco F, Poloni M, Bresolin N, Scarpini E. E-selectin A561C and G98T polymorphisms influence susceptibility and course of multiple sclerosis. *J Neuroimmunol* 2005;165:201-5.

Chiocchetti A, Comi C, Indelicato M, Castelli L, Mesturini R, Bensi T, Mazzarino MC, Giordano M, D'Alfonso S, Momigliano-Richiardi P, Liguori M, Zorzon M, Amoroso A, Trojano M, Monaco F, Leone M, Magnani C, Dianzani U. Osteopontin gene haplotypes correlate with multiple sclerosis development and progression. *J Neuroimmunol* 2005;163:172-8.

Osio M, Zampini L, Muscia F, Valsecchi L, Comi C, Cargnel A, Mariani C. Cutaneous silent period in human immunodeficiency virus-related peripheral neuropathy. *J Peripher Nerv Syst* 2004;9:224-31.

Lombardi G, Miglio G, Canonico PL, Naldi P, Comi C, Monaco F. Abnormal response to glutamate of T lymphocytes from multiple sclerosis patients. *Neurosci Lett*. 2003;340:5-8.

Cantello R, Boccagni C, Comi C, Civardi C, Monaco F. Diagnosis of psychogenic paralysis: the role of motor evoked potentials. *J Neurol*. 2001;248:889-97.

Comi C, Leone M, Bonisconi S, DeFranco S, Bottarel F, Mezzatesta C, Chiocchetti A, Perla F, Monaco F, Dianzani U. Defective T cell fas function in patients with multiple sclerosis. *Neurology* 2000;55:921-7.

#### Capitoli di libro

1. Ribellino P, Comi C, Mazzini L, Cantello R. Osteomalacic myopathy. pp 147-154. 2-s2.0-84955717215

Book Title: Contemporary Issues in Peripheral Neuropathy. PUBLISHER: Nova Science Publishers, Inc. ISBN: 978-163482199-5;978-163482155-1

2. Ripellino, P., Fleetwood, T., Cantello, R., Comi, C. Evolving concepts in the pathogenesis of chronic inflammatory demyelinating polyradiculoneuropathy (CIDP). pp. 115-136. 2014. 2-s2.0-84950349895

3. Osio, M., Nascimbene, C., Vanotti, A., Comi, C. Peripheral neuropathies in HIV infection. pp. 179- 208. 2014. 2-s2.0-84950342089

Book Title: Contemporary Issues in Peripheral Neuropathy. PUBLISHER: Nova Science Publishers, Inc. ISBN: 9781629487182; 978162948681

4. Monaco F., Comi C. Anticonvulsant drugs and cognitive functions in elderly patients with epilepsy. pp. 403-410. 2001. 2-s2.0-85057710365

Book title: Bone Disorders, Screening and Treatment. PUBLISHER: CRC Press. ISBN: 978-142003931-3;0849320666;978-084932066-8

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

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