

Cristoforo Comi

Curriculum vitae

PERSONAL DATA

Date of birth: 12.5.1971

Resident in Milan, Italy

Email: comi@med.uniupo.it

BIO AND EDUCATION

EDUCATION

2006. PhD in Molecular Medicine, University of Piemonte Orientale

2001-2002. 2002. Board certification in Neurology, University of Piemonte Orientale (cum laude)

1996. MD degree, University of Milan. Graduated cum laude. Doctoral dissertation on HIV dementia

EXPERIENCE

Clinical experience

2006-present. Attending physician at the Department of Neurology, University of Piemonte Orientale, Novara, Italy

2006-present. Attending physician at the MS and Neuroimmunology Centre, University of Piemonte Orientale

2011-present. Head of the Movement Disorders Centre, Piemonte Orientale

1997-2002. Neurology Resident at the in-patient Clinic, Department of Neurology, Piemonte Orientale

Research experience

1998-present. Collaboration with the Interdisciplinary Research Centre on Autoimmune Diseases, Piemonte Orientale

Research interests: a) Inflammation in neurodegenerative diseases (PD, AD, HD) b) search for biomarkers of neuroimmunological disorders (Multiple sclerosis, inflammatory polyneuropathy).

Editorial experience

Associate Editor of Journal of Alzheimer's Disease (2010-2013)

Editorial Board member of:

American Journal of neurodegenerative disease: <http://www.ajnd.us/editorialboard.html>

Asian Journal of Neuroscience: <http://www.hindawi.com/journals/ajn/editors/>

International Journal of Clinical and Experimental Medicine: http://www.ijcem.com/editorial_board.html

ISRN neuroscience: <http://www.hindawi.com/journals/isrn/editors/neuroscience/>

Ad hoc reviewer of: Annals of Neurology; Archives of Neurology; Autoimmune Diseases; Autoimmune Disorders & Therapy; BioMed Research International; BMC Neurology; Circulation; Clinical Neurology and Neurosurgery; Current Aging Science; Drug Design, Development and Therapy; European Journal of Neurology; Expert Review of Clinical Immunology; Immunotherapy; Journal of Alzheimer's Disease; Journal of Inflammation Research; Journal of Neuroimmunology; Journal of Neuroscience Research; Mediators of Inflammation; Neurodegenerative Disease Management; Neurological Sciences; Neurology; Neuroscience letters; OncoTargets and Therapy; The Parkinson's Disease Society of the United Kingdom

ACADEMIC CAREER

2006-	Assistant Professor, University of Piemonte Orientale
2001-2002	Fellowship in Neurology, Mount Sinai School of Medicine, New York, USA

UNIVERSITY POSITIONS

2014-2015	Member of the Research Commission, Department of Translational Medicine, University of Piemonte Orientale
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SCIENTIFIC POSITIONS

2003-	Member of the Italian Society of Neurology
2001-	Member of the Italian Association of Neuroimmunology

MAIN FIELDS OF INTEREST

1. Neuroimmunology
2. Neurodegeneration
3. Clinical Neurology

CURRENT RESEARCH

1. Genetics of neuroinflammatory diseases

Study of the influence exerted by gene variations on multiple sclerosis (MS) and inflammatory neuropathies (GBS and CIDP) progression. Identification of the role of osteopontin and perforin genes in MS and CIDP

2. Genetics of neurodegenerative diseases

Study of the influence exerted by gene variations on Parkinson's disease (PD) and atypical parkinsonisms, Huntington disease and other primary neurodegenerative dementia (Alzheimer's disease, frontotemporal dementia). Impact of alpha-synuclein SNPs on cognitive progression in

PD. Role of dopamine receptor gene variants in visual hallucination and dyskinesia development in PD patients

Role of intermediate gene expansions in PD, atypical parkinsonism and dementia evolution. Proteomic characterization of subjects with overlapping phenotypes

3. Peripheral immunity and neurodegenerative disease

Role of peripheral immunity in PD. Modifications of immune profile (cytofluorimetric analysis) and pro/anti-inflammatory cytokine production in PD patients. Role of intestinal immunity in PD

4. Neurodegenerative disease proteomics

Identification of the different proteomic profiles expressed by PD patients compared to atypical parkinsonisms and control subjects. Differences in proteomic profiles of drug-naive versus treated PD patients

TOP FIVE PAPERS

1: 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. doi: 10.1016/j.parkreldis.2014.10.010.

2: 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. doi: 10.1177/1545968313508474.

3: Carecchio M, Comi C. The role of osteopontin in neurodegenerative diseases. *J Alzheimers Dis.* 2011;25:179-85. doi: 10.3233/JAD-2011-102151.

4: Comi C, Osio M, Ferretti M, Mesturini R, Cappellano G, Chiocchetti 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. doi: 10.1111/j.1529-8027.2009.00219.x.

5: 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(7):921-7.

AWARDS

1. 2006. Award for the best poster presentation. Annual Congress of the Italian Society of Neurology
2. 1996. Award for the Best Graduate Student, University of Milan. Sponsored by Servizi Interbancari-Cartasi