

PATRIZIA PANTANO
Curriculum Vitae

Roma, 2 settembre 2019

Part I – General Information

Full Name	Patrizia Pantano
Date of Birth	
Place of Birth	
Citizenship	
Permanent Address	
Mobile Phone Number	
E-mail	
Spoken Languages	

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1979	Sapienza University of Rome	Degree in Medicine
Post-graduate studies	1984	Sapienza University of Rome	Full board certification in Radiology
Post-graduate studies	1989	Sapienza University of Rome	Full board certification in Neurology
Research program	1980-90	CNR	Clinical specialization in Nuclear Medicine
Training research program	1882-83	Service Hospitalier Frédéric Joliot, Commissariat à l'énergie atomique, Orsay (France).	Training research program on clinical applications of positron emission tomography

Part III – Academic Appointments

Start	End	Institution	Position
2001	2006	Sapienza University of Rome, Department of Neurology and Psychiatry,	Assistant Professor in Neuroradiology
2006	to date	Sapienza University of Rome, Department of Neurology and Psychiatry (now Human Neuroscience).	Associate Professor in Neuroradiology

Part IV – Teaching experience

Year	Institution	Lecture/Course
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2001-to date	Sapienza University of Rome, CLD Medicina e Odontoiatria	Docente Corso Integrato Malattie del Sistema Nervoso
2012-16	Sapienza University of Rome, CLUPS Fisioterapia (Polo Pisana).	Coordinatore del Corso Integrato di Promozione della Salute e Sicurezza
2007-to date	Sapienza University of Rome, CLUPS Fisioterapia, Polo Pontino	Docente Riabilitazione in Area Neurotraumatologica
2017-to date	Sapienza University of Rome, CLUPS, Fisioterapia, San Giovanni Addolorata	Coordinatore Corso Integrato Riabilitazione in Area Neurotraumatologica
2017-to date	Sapienza University of Rome	Docente Scuola di Specializzazione di Neurofisiopatologia
2001-to date	Sapienza University of Rome	Docente Scuola di Specializzazione di Radiologia
2001-to date	Sapienza University of Rome	Docente Scuola di Specializzazione di Neurologia
20012-to date	Sapienza University of Rome	Membro del Collegio dei Docenti al Corso di Dottorato in Neuroscienze Clinico-Sperimentali e Psichiatria
2006	22mo congresso internazionale E.C.T.R.I.M.S. (European Committee for Treatment and Research in Multiple Sclerosis).	Invited lecture: "fMRI and motor activity", Madrid, Spain, September 27-30, 2006
2009	Società Italiana di Neurologia	Relazione su invito "Le neuroimmagini in Neurologia", Brescia, 26 marzo 2009
2012	Società Italiana di Neurologia	Relazione su invito "Perfusione: principi e applicazioni cliniche", Corso di aggiornamento a numero chiuso "Principali tecniche di neuroimmagini e applicazioni cliniche", XLIII Congresso nazionale della Società Italiana di Neurologia, 6 - 9 ottobre 2012
2017	Associazione Italiana Neuroradiologia	Relazione su invito "Valutazione dell'outcome nella Sclerosi Multipla", IV congresso nazionale di neuroradiologia funzionale (Parma, 3-4 novembre 2017)
2018	IV Congresso Accademia Limpe Dismov	Conference: "Neuroimmagini"

Part V - Congress organization

Year	Title
1983	XIV International Symposium on Cerebral Blood Flow and Metabolism, Bologna
1984	EEC Concerted Actions on PET investigations of cellular regeneration and degeneration, Siena
1999	XIII Congresso Nazionale di Neuroradiologia (AINR); Roma
2005	Corso di Aggiornamento Le Neuroimmagini in Neurologia: presente e futuro, Roma
2013	II Congresso Nazionale di Neuroradiologia funzionale, Roma

Part VI - Society memberships, Awards and Honors

Year	Title
2017- to date	Review Editor di Frontiers in Neurology, Applied Neuroimaging (IF 3,508)

1988	CIS Diagnostici, Award for Italian Research in Nuclear Medicine
1992	II European Stroke Conference, Award for excellency in stroke research
1990- to date	Member of the Italian Association of Neuroradiology (AINR)
1990- to date	Member of the Italian Society of Neurology

Part VII - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2011	Brain plasticity in MS patients with cognitive deficits: longitudinal gray and white matter changes associated with home-based cognitive training	Progetto di Ateneo (Sapienza), PI	15000
2012	Cerebral functional reorganization after motor imagery training in multiple sclerosis	Progetto di Ateneo (Sapienza), PI	32946
2012	Plasticità strutturale in pazienti con SM: variazioni longitudinali della microarchitettura della sostanza bianca associate con il training propriocettivo	FISM (Federazione Italiana Multipla)	50000
2013	Structural and functional connectivity changes in multiple sclerosis: correlations with clinical features	Progetto di Ateneo (Sapienza), PI	11000
2015	MRI investigation of neurobiological basis of Tourette's syndrome in childhood and adolescence	Progetto di Ateneo (Sapienza), PI	33450
2014-17	Network Italiano di Neuroimaging (INNI) per l'ottimizzazione dell'utilizzo di tecniche avanzate di Risonanza Magnetica in pazienti con Sclerosi Multipla (INNI)"	Progetto speciale FISM (co-PI)	70000
2016	Advanced MRI measures to predict motor disability in Multiple Sclerosis	Progetto di Ateneo (Sapienza), PI	15000
2017	Combined modification and reorganization of the brain structural and functional networks in Multiple Sclerosis	Progetto di Ateneo (Sapienza), PI	8000
2018	Cross-sectional and longitudinal measures of brain atrophy in multiple sclerosis by MRI: the effect of treatment switching	Progetto di Ateneo (Sapienza), PI	33800
2018- to date	Network Italiano di Neuroimaging (INNI) per l'ottimizzazione dell'utilizzo di tecniche avanzate di Risonanza Magnetica in pazienti con Sclerosi Multipla (INNI)	Progetto speciale FISM, rinnovato per l'implemento del database e per la realizzazione di progetti scientifici (co-PI)	75000

Part VIII - Clinical Diagnostic Activities

Date	Title	Activities	Institution
2001- to date	Dirigente I livello, full time, UOC Neuroradiologia.	Execution and reports of neuroradiological exams (diagnostic radiology, magnetic resonance imaging and CT), 28h/week.	Azienda Policlinico Umberto I, Roma

Part IX – Research Activities

Main field of interest

Application of Neuroimaging techniques in clinical neurosciences
Advanced Magnetic Resonance Imaging
Multiple Sclerosis
Movement Disorders
Neurodegenerative disease

Part X – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	172	Scopus	1983	2019
Papers [national]	5		1988	2000
Books	1		2010	

Total Impact factor*	562.38 (378.81)
Total Citations (Scopus)	5123
Average Citations per Product	28.78
Hirsch (H) index (Scopus)	42
Normalized H index**	1.2

*IF of papers published in 2019 was calculate according to 2018 IF, IF of papers published before 1997 was calculated according to 1997 IF. In parenthesis the value calculated only for papers published between 1997and 2018 with available IF.

**H index divided by the academic seniority.

Part XI– Selected Publications

List of the 16 publications selected for the evaluation.

#	Authors	Title	Journal	IF in publishing year
1	Tona F, De Giglio L, Petsas N, Sbardella E, Prosperini L, Upadhyay N, Gianni C, Pozzilli C, Pantano P.	Role of Cerebellar Dentate Functional Connectivity in Balance Deficits in Patients with Multiple Sclerosis.	<i>Radiology.</i> 2018 Apr;287(1):267-275.	7.608
2	Bharti K, Bologna M, Upadhyay N, Piattella MC, Suppa A, Petsas N, Gianni C, Tona F, Berardelli A, Pantano P.	Abnormal Resting-State Functional Connectivity in Progressive Supranuclear Palsy and Corticobasal Syndrome.	<i>Front Neurol.</i> 2017 Jun 6;8:248.	3.508
3	Upadhyay N, Suppa A, Piattella MC, Gianni C, Bologna M, Di Stasio F, Petsas N, Tona F, Fabbrini G, Berardelli A, Pantano P.	Functional disconnection of thalamic and cerebellar dentate nucleus networks in progressive supranuclear palsy and corticobasal syndrome.	<i>Parkinsonism Relat Disord.</i> 2017 Jun;39:52-57	4.721
4	Sbardella E, Upadhyay N, Tona F, Prosperini L, De Giglio L, Petsas N, Pozzilli C, Pantano P.	Dentate nucleus connectivity in adult patients with multiple sclerosis: functional changes at rest and correlation with clinical features.	<i>Mult Scler.</i> 2017 Apr;23(4):546-555.	5.280
5	De Giglio L, Tona F, De Luca F, Petsas N, Prosperini L, Bianchi V, Pozzilli C, Pantano P.	Multiple Sclerosis: Changes in Thalamic Resting-State Functional Connectivity Induced by a Home-based Cognitive Rehabilitation Program.	<i>Radiology.</i> 2016 Jul;280(1):202-11.	6.798
6	Upadhyay N, Suppa A, Piattella MC, Di Stasio F, Petsas N, Colonnese C, Colosimo C, Berardelli A, Pantano P.	Gray and white matter structural changes in corticobasal syndrome.	<i>Neurobiol Aging.</i> 2016 Jan;37:82-90.	5.153
7	Sbardella E, Tona F, Petsas N, Upadhyay N, Piattella MC, Filippini N, Prosperini L, Pozzilli C, Pantano P.	Functional connectivity changes and their relationship with clinical disability and white matter integrity in patients with relapsing-remitting multiple sclerosis.	<i>Mult Scler.</i> 2015 Nov;21(13):1681-92.	4.671
8	Petsas N, Tomassini V, Filippini N, Sbardella E, Tona F, Piattella MC, Pozzilli C, Wise RG, Pantano P.	Impaired Functional Connectivity Unmasked by Simple Repetitive Motor Task in Early Relapsing-Remitting Multiple Sclerosis.	<i>Neurorehabil Neural Repair.</i> 2015 Jul;29(6):557-65.	4.035
9	Prosperini L, Fanelli F, Petsas N, Sbardella E, Tona F, Raz E, Fortuna D, De Angelis F, Pozzilli C, Pantano P.	Multiple sclerosis: changes in microarchitecture of white matter tracts after training with a video game balance board.	<i>Radiology.</i> 2014 Nov;273(2):529-38.	6.867
10	Tona F, Petsas N, Sbardella E, Prosperini L, Carmellini M, Pozzilli C, Pantano P.	Multiple sclerosis: altered thalamic resting-state functional connectivity and its effect on cognitive function.	<i>Radiology.</i> 2014 Jun;271(3):814-21.	6.867
11	Manganaro L, Porpora MG, Vinci V, Bernardo S, Lodise P, Sollazzo P, Sergi ME, Saldari M, Pace G, Vittori G, Catalano C, Pantano P.	Diffusion tensor imaging and tractography to evaluate sacral nerve root abnormalities in endometriosis-related pain: a pilot study.	<i>Eur Radiol.</i> 2014 Jan;24(1):95-101.	4.014

12	Prosperini L, Petsas N, Raz E, Sbardella E, Tona F, Mancinelli CR, Pozzilli C, Pantano P.	Balance deficit with opened or closed eyes reveals involvement of different structures of the central nervous system in multiple sclerosis.	Mult Scler. 2014 Jan;20(1):81-90.	4.822
13	Prosperini L, Sbardella E, Raz E, Cercignani M, Tona F, Bozzali M, Petsas N, Pozzilli C, Pantano P.	Multiple sclerosis: white and gray matter damage associated with balance deficit detected at static posturography.	Radiology. 2013 Jul;268(1):181-9.	6.214
14	Pantano P , Bernardi S, Tinelli E, Pontecorvo S, Lenzi D, Raz E, Tona F, Gasperini C, Pozzilli C.	Impaired cortical deactivation during hand movement in the relapsing phase of multiple sclerosis: a cross-sectional and longitudinal fMRI study.	Mult Scler. 2011 Oct;17(10):1177-84.	4.255
15	Raz E, Cercignani M, Sbardella E, Totaro P, Pozzilli C, Bozzali M, Pantano P.	Gray- and white-matter changes 1 year after first clinical episode of multiple sclerosis: MR imaging.	Radiology. 2010 Nov;257(2):448-54.	6.341
16	Raz E, Cercignani M, Sbardella E, Totaro P, Pozzilli C, Bozzali M, Pantano P.	Clinically isolated syndrome suggestive of multiple sclerosis: Voxelwise regional investigation of white and gray matter	Radiology. 2010 Jan;254(1):227-34	6.341