

CURRICULUM DIDATTICO-SCIENTIFICO DELLA PROF.SSA MARIA MORELLO

DATI PERSONALI

Nome e Cognome: Maria Morello

Luogo e data di nascita: Nicastro Lamezia Terme (CZ), 15 Giugno 1968



ATTUALE POSIZIONE: Ricercatore Confermato Biochimica Clinica BIO/12, Professore Aggregato. Dirigente Biologo UOC di Biochimica Clinica Policlinico Universitario Tor Vergata. (PTV)

Dipartimento: Medicina Sperimentale e Chirurgia,

Indirizzo: Via Montpellier, 1, 00133 Roma RM,

Numero studio: Torre E SUD, 3° Piano St.305

E-mail: morello@uniroma2.it

Orario ricevimento: Lunedì 10-11

Settore scientifico-disciplinare: BIO/12

ATTIVITA' DIDATTICA - SCIENTIFICA

Titoli accademici e di studio:

1991 Laurea in Scienze Biologiche con votazione di 110/110 e lode

2017 PhD in Scienze Medico Chirurgiche Applicate, Scienze della Nutrizione,

Formazione post-laurea presso istituzioni italiane ed estere ed incarichi professionali (didattici e di ricerca):

1992-1993 Conferimento Borsa di Studio C. Mondino, Laboratorio di Neuroanatomia e Neuropatologia Dipartimento di Neuroscienze, Facoltà di Medicina e Chirurgia dell'Università di Roma "Tor Vergata

1993-1994: Conferimento Borsa di studio Agenzia Spaziale Italiana (ASI)

1995: Conferimento incarico professionale come Dirigente Biologo presso il Servizio Divisionale di Malattie Neuromuscolari Ospedale Santo Eugenio, Laboratorio di Neuroscienze, Clinica Neurologica, Dipartimento di Neuroscienze, Facoltà Chirurgia e Medicina Università di Roma Tor Vergata

1995: Visiting Researcher presso College of Medicine, Department of ^[SEP]Anatomy and Neurobiology, University of Tennessee, Memphis USA (Collaborazione scientifica finanziamento CNR)

1999: Visiting Researcher presso Medical Research Council, Anatomical Neuropharmacology Unit, Oxford, UK, Department of Pharmacology (Collaborazione scientifica finanziamento CNR)

2013-2017: Visiting Researcher presso Equipe Plasticité olfactive et réparation du système nerveux, UMR 7259 Neurobiologie des interactions cellulaires et neurophysiopathologie (NICN) CNRS, Aix-Marseille Université Faculté de Médecine France

Attività didattica

Biologia (^[SEP]Corso Triennale per Logopedisti)

Neuroanatomia^[SEP] (Corso triennale per Tecnici di Neurofisiopatologia)

Biochimica Clinica in Medicina Pratica (Corso di laurea in Medicina)

Biochimica Clinica (Corso triennale in Tecniche Diagnostiche di Laboratorio Biomedico)

Biochimica Clinica (Corso di specializzazione in Biochimica Clinica)

Seminari e tutoraggio in Dottorato in Biochimica E Biologia Molecolare

Seminari e tutoraggio in Master in Neuroscience Neurobiologie des interactions cellulaires et neurophysiopathologie (NICN) CNRS, Aix-Marseille Université Faculté de Médecine France

Attività di ricerca: 15 pubblicazioni selezionate

1) Vitamin D Improves Neurogenesis and Cognition in a Mouse Model of Alzheimer's Disease Morello M, Landel V, Lacassagne E, Baranger K, Annweiler C, Feron F, Millet P (2018). *Molecular Neurobiology*, p. 1-17, ISSN: 0893-7648

2) Vitamin D, Cognition and Alzheimer's Disease: The Therapeutic Benefit is in the D-Tails. Landel V, Annweiler C, Millet P, Morello M, Feron F. (2016). *Journal Of Alzheimer's Disease*, vol. 11; p. 41-444, ISSN: 1387-2877

3) A Prospective Study on Inflammatory Cytokines and Bone Metabolism Mediators in Patients Affected by Rheumatoid and Psoriatic Arthritis treated with Adalimumab. MS Chimenti, P Conigliaro, Morello M, R Zenobi, P Triggianese (2015). *Journal Of Arthritis*, ISSN: 2167-7921

4) Bioinformatics analysis of the serine and glycine pathway in cancer cells A. Antonov M. Agostini · M. Morello · M. Minieri · G. Melino I. Amelio *Oncotarget* 11/2014; 5(22).

5) Beneficial effects of vitamin D on neurodegeneration and mental diseases, Rôles bénéfiques de la vitamine D sur la neurodégénérescence et les troubles mentaux. Millet P, Landel V, Virard I, Morello M, Feron F (2014). *Cahiers De Nutrition Et De Dietetique*, vol. 49, p. 279-293, ISSN: 0007-9960

6) Role of vitamin D in the physiopathology of neurodegenerative diseases, Rôle de la vitamine D dans la physiopathologie des maladies neurodégénératives. Millet P, Landel V, Virard I, Morello M, Feron F (2014). *Biologie Aujourd'hui*, vol. 208, p.77, ISSN: 2105-0678

7) Vitamin D deficiency in myotonic dystrophy type 1 C. Terracciano E. Rastelli M. Morello, M. Celi E. Bucci, G. Antonini, O. Porzio, U. Tarantino, R. Zenobi, R. Massa *Journal of Neurology* 06/2013; 260(9).

8) A Case of PANDAS Treated With Tetrabenazine and Tonsillectomy FR Fusco A. Pompa G. Bernardi F. Ottaviani C. Giampà D. Laurenti M. Morello S. Bernardini · M. Nuccetelli U. Sabatini S. Paolucci *Journal of child neurology* 03/2010; 25(5):614.

9) Sub-cellular localization of manganese in the basal ganglia of normal and manganese-treated rats. An electron spectroscopy imaging and electron energy-loss spectroscopy study M Morello · A Canini · P Mattioli · R.P. Sorge · A Alimonti · B Bocca · G Forte · A Martorana · G Bernardi · G Sancesario *NeuroToxicology* 01/2008; 29(1):60-72.

10) Manganese intoxication decreases the expression of manganoproteins in the rat basal ganglia: An immunohistochemical study M Morello · P Zatta · P Zambenedetti · A Martorana · V D'Angelo · G Melchiorri · G Bernardi · G Sancesario *Brain Research Bulletin* 12/2007; 74(6):406-15.

11) Striatal modulation of cAMP-response-element-binding protein (CREB) after excitotoxic lesions: Implications with neuronal vulnerability in Huntington's disease C. Giampà Z. DeMarch V. D'Angelo M. Morello A. Martorana G. Sancesario G. Bernardi · FR Fusco *European Journal of Neuroscience* 01/2006; 23(1):11-20.

12) Down-regulation of nitergic transmission in the rat striatum after chronic nigrostriatal deafferentation G. Sancesario M. Giorgi V. D'Angelo A. Modica A. Martorana · M. Morello CP Bengtson G. Bernardi *European Journal of Neuroscience* 09/2004; 20(4):989-1000.

13) Sural Nerve Without Nerve Fibers in Leprous Neuropathy R. Massa M. Morello G. Sancesario G. Bernardi *JAMA Neurology* 03/2002; 59(2):306.

14) Manganese detected by electron spectroscopy imaging and electron energy loss spectroscopy in mitochondria of normal rat brain cells M. Morello · A. Canini · M. Grilli Caiola · A. Martorana · P. Mattioli · G. Bernardi · G. Sancesario *Journal of Trace and Microprobe Techniques* 01/2002; 20(4):481-491

15) A Synaptic Mechanism Underlying the Behavioral Abnormalities Induced by Manganese Intoxication P. Calabresi · M. Ammassari-Teule P. Gubellini G. Sancesario M. Morello D. Centonze GA. Marfia E. Saulle E. Passino B. Picconi G. Bernardi *Neurobiology of Disease* 07/2001; 8(3):419-32.



Università degli Studi di Roma "Tor Vergata"

ACADEMIC AND SCIENTIFIC CURRICULUM OF PROF. MARIA MORELLO

PERSONAL DATA

Name and Surname: Maria Morello

Place and date of birth: Nicastro Lamezia Terme (CZ), 15 Giugno 1968



CURRENT POSITION: Assistant Professor, Clinical Instructor and staff Biologist in Clinical Biochemistry, University Hospital of Tor Vergata (PTV)

Department: Experimental Medicine and Surgery, University Hospital of Tor Vergata

Address: Torre E SUD, 3° floor room.305, Via Montpellier, 1, 00133 Roma RM
University of Tor Vergata E-Sud 3° floor room 305 00133 Rome

Phone number: 06.20902351

E-mail: morello@uniroma2.it

Consulting hours: Monday 10-11

Italian Ministry of Education Academic-Scientific sector: BIO/12

SCIENTIFIC AND DIDACTIC ACTIVITY

Education and academic positions:

1991 MSc "*Cum Laudae*" La Sapienza University Rome, Italy

2017 PhD University of Tor Vergata, Rome, Italy

Professional and didactic activities in Italian and Foreign Institutions:

1992-1993 Research Investigator Istituto C. Mondino, Neuroscience University of Tor Vergata, Rome, Italy

1993-1994 Research Investigator Agenzia Spaziale Italiana (ASI), Rome Italy

1995-2009 Neuropathology consultant, Neuromuscular Disorders Centre S.Eugenio Hospital, Rome

1995 Visiting Researcher, College of Medicine, Department of Anatomy and Neurobiology, University of Tennessee, Memphis USA

1999 Visiting Researcher, Medical Research Council, Anatomical Neuropharmacology Unit, Oxford, UK, Department of Pharmacology

2013-2017 Visiting Researcher Equipe Plasticité olfactive et réparation du système nerveux, UMR 7259 Neurobiologie des interactions cellulaires et neurophysiopathologie (NICN) CNRS, Aix-Marseille Université Faculté de Médecine France

Academic Appointments

2006-2007 Assistant Professor in Biology, undergraduate training programme speech therapist, Faculty of Medicine, University of Tor Vergata', Rome, Italy

2007-2012 Assistant Professor in Neuroanatomy, undergraduate training programme in Neurophysiopathology at the Faculty of Medicine, University of Tor Vergata', Rome, Italy.

2011-2013 Assistant Professor in Clinical Biochemistry, undergraduate training programme for Biochemical technicians at the Faculty of Medicine, University of Tor Vergata, Rome, Italy.

2011-2013 Assistant Professor in Clinical Biochemistry, programme for Biochemical technicians, Faculty of Medicine, University of Tor Vergata, Rome, Italy

2013-2017 Instructor MSc-Neurobiology students at NICN, Faculty of Medicine Aix - Marseille Université, France

2011-present Assistant Professor in Clinical Biochemistry- Practical Medicine, graduate programme for MD students, Faculty of Medicine, University of Tor Vergata, Rome

2011-present Assistant Professor in Clinical Biochemistry, programme for graduated MD, Specialty Board in Clinical Biochemistry and Pathology

2017-present Assistant Professor in Clinical Biochemistry, programme for Biotechnology students, Faculty of Medicine, Tor Vergata University, Rome, Italy

Research activity: 15 selected publications

- 1) Vitamin D Improves Neurogenesis and Cognition in a Mouse Model of Alzheimer's Disease Morello M, Landel V, Lacassagne E, Baranger K, Annweiler C, Feron F, Millet P (2018).. *Molecular Neurobiology*, p. 1-17, ISSN: 0893-7648
- 2) Vitamin D, Cognition and Alzheimer's Disease: The Therapeutic Benefit is in the D-Tails. Landel V, Annweiler C, Millet P, Morello M, Feron F. (2016). *Journal Of Alzheimer's Disease*, vol. 11;, p. 41-444, ISSN: 1387-2877
- 3) A Prospective Study on Inflammatory Cytokines and Bone Metabolism Mediators in Patients Affected by Rheumatoid and Psoriatic Arthritis treated with Adalimumab. MS Chimenti, P Conigliaro, Morello M, R Zenobi, P Triggianese (2015). *Journal Of Arthritis*, ISSN: 2167-7921
- 4) Bioinformatics analysis of the serine and glycine pathway in cancer cells A. Antonov M. Agostini · M. Morello · M. Minieri · G. Melino I. Amelio *Oncotarget* 11/2014; 5(22).
- 5) Beneficial effects of vitamin D on neurodegeneration and mental diseases, Rôles bénéfiques de la vitamine D sur la neurodégénérescence et les troubles mentaux. Millet P, Landel V, Virard I, Morello M, Feron F (2014). *Cahiers De Nutrition Et De Dietetique*, vol. 49, p. 279-293
- 6) Role of vitamin D in the physiopathology of neurodegenerative diseases, Rôle de la vitamine D dans la physiopathologie des maladies neurodégénératives. Millet P, Landel V, Virard I, Morello M, Feron F (2014). *Biologie Aujourd'hui*, vol. 208, p. 77-88, ISSN: 2105-0678
- 7) Vitamin D deficiency in myotonic dystrophy type 1 C. Terracciano E. Rastelli M. Morello-M. Celi E. Bucci ·G. Antonini O. Porzio U. Tarantino R. Zenobi · R. Massa *Journal of Neurology* 06/2013; 260(9)
- 8) A Case of PANDAS Treated With Tetrabenazine and Tonsillectomy FR Fusco A. Pompa ·G. Bernardi · F. Ottaviani C. Giampà D. Laurenti M. Morello S. Bernardini ·M. Nuccetelli U. Sabatini S. Paolucci *Journal of child neurology* 03/2010; 25(5):614-5
- 9) Sub-cellular localization of manganese in the basal ganglia of normal and manganese-treated rats. An electron spectroscopy imaging and electron energy-loss spectroscopy study M Morello · A Canini · P Mattioli · R.P. Sorge · A Alimonti · B Bocca · G Forte · A Martorana · G Bernardi · G Sancesario *NeuroToxicology* 01/2008; 29(1):60-72.
- 10) Manganese intoxication decreases the expression of manganoproteins in the rat basal ganglia: An immunohistochemical study M Morello · P Zatta · P Zambenedetti · A Martorana · V D'Angelo · G Melchiorri · G Bernardi · G Sancesario *Brain Research Bulletin* 12/2007; 74(6):406-15.
- 11) Striatal modulation of cAMP-response-element-binding protein (CREB) after excitotoxic lesions: Implications with neuronal vulnerability in Huntington's disease C. Giampà Z. DeMarch V. D'Angelo M. Morello A. Martorana G. Sancesario G. Bernardi · FR Fusco *European Journal of Neuroscience* 01/2006; 23(1):11-20.
- 12) Down-regulation of nitrgic transmission in the rat striatum after chronic nigrostriatal deafferentation G. Sancesario M. Giorgi V. D'Angelo A. Modica A. Martorana ·M. Morello CP Bengtson G. Bernardi *European Journal of Neuroscience* 09/2004; 20(4):989-1000.
- 13) Sural Nerve Without Nerve Fibers in Leprous Neuropathy R. Massa M. Morello G. Sancesario G. Bernardi *JAMA Neurology* 03/2002; 59(2):306.
- 14) Manganese detected by electron spectroscopy imaging and electron energy loss spectroscopy in mitochondria of normal rat brain cells M. Morello · A. Canini · M. Grilli Caiola · A. Martorana · P. Mattioli · G. Bernardi · G. Sancesario *Journal of Trace and Microprobe Techniques* 01/2002; 20(4):481-491.
- 15) A Synaptic Mechanism Underlying the Behavioral Abnormalities Induced by Manganese Intoxication P. Calabresi · M. Ammassari-Teule P. Gubellini G. Sancesario M. Morello D. Centonze GA. Marfia E. Saulle E. Passino B. Picconi G. Bernardi. *Neurobiology of Disease* 07/2001; 8(3):419-32.