

Marco Pagani
Curriculum Vitae et Studiorum

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C.F: PGNMRC58L21L219M

Biographic notes:

Born in Turin, Italy, on July the 21st 1958.
Place of residence: 104 Via di Santa Costanza 11, 00198, Rome, Italy. Tel: +393381043043.
Separated and father of five children.

Education:

Ph.D. Thesis at the Karolinska Institute of Stockholm, Sweden, entitled: “*Advances in Brain SPECT. Methodological and Human Investigations*”. November 2000.
Specialization in Emergency Surgery: University of Rome "La Sapienza", Italy, with the thesis: “*Acute traumatic pathology of arterial epiaortic trunks*”: 110/110 cum laude. November 1990
Degree in Medicine and Surgery: University of Rome "La Sapienza", Italy, with the thesis: “*Emergencies in Crohn's disease*”: 110/110 cum laude. April 1985
Scientific High School Diploma: Liceo L.Pasteur, Rome, Italy: 54/60. July 1977

International Awards:

Winner of the **Francine Shapiro Award 2011** for the best 2010 scientific contribution in EMDR field for the paper: “**Grey matter changes in posterior cingulate and limbic cortex in PTSD are associated with trauma load and EMDR outcome**”. *Nardo D, Högberg G, D, Looi J, Larsson SA, Hällström T, Pagani M.* J Psychiatr Res 2010; 44:477-485

Winner of the **Karolina Award 2000** for the best research contribution of the year at the Karolinska Hospital of Stockholm, Sweden for the paper: “**A novel phantom design for emission tomography enabling scatter- and attenuation-free single photon emission tomography imaging**”. *Larsson SA, Jonsson C, Pagani M, Johansson L and Jacobsson H.* Eur J Nucl Med 2000; 27: 131-139

Abilitation to the Medical Practice

October 1997: Sweden
November 1988: United Kingdom
October 1985: Italy

Work experience and responsibilities

2002-now: Senior Researcher at the Institute of Cognitive Sciences and Technologies, CNR, Rome, Italy
2006-2007: Four-months secondment at the European Science Foundation in Strasbourg, France, to produce methodological guidelines for ESF Forward Looking.
2005-2006: Scientific Assistant Officer and Project Manager supporting the Department of Life Science of CNR, Rome, Italy
2001-2002: Researcher at the Institute of Neurobiology and Molecular Medicine, CNR, Rome Italy
1991-2001: Researcher at the Institute of Experimental Medicine, CNR, Rome, Italy
1987-1991: Free Professional and grants from CNR, Italy

1985-1987: Medical Officer at "Primo Battaglione Bersaglieri La Marmora"
of the Italian Army, Italy

1981-1987: Resident and Specializing Fellow at the Institute of Emergency Surgery,
University of Rome "La Sapienza", Rome, Italy

European Commission Projects

2016-2019: H2020-EU.3.1. - SOCIETAL CHALLENGES - PHC-28-2015. Member of the Advisory Board for NEurobehavioural predictiVE and peRsonalised Modelling of depressIve symptoms duriNg primary somatic Diseases with ICT-enabled self-management procedures (**NEVERMIND**).

2016-2021: H2020-JTI-IMI2-2015 IMI-EFPIA. Member of the Advisory Board for Amyloid imaging to Prevent Alzheimer's Disease (**AMYPAD**)

1997-2001: European Commission. Medical Coordinator for IMS-CNR for Austral On-line Network for Medical Auditing and Teleassistance (**ARGONAUTA**)

European Projects

2008-2013: Principal Investigator - European Normal Controls database of [123I]FP-CIT (DATscan) SPET scans of (**ENC-DAT**): **2005-2013 – EANM (European Association of Nuclear Medicine) initiative**

Memberships and Commitments:

2016-now: Section Chair of ResEARch for Life (**EARL**) - **EANM Initiative**
2017-now Database Section Chair of the EARL (ResEARch 4Life) of the EANM
2016-2017 Senior Member of the Neuroimaging Committee of EANM
2013-2015: Chair of the Neuroimaging Committee of the EANM
2009-2012: Vice-Chair of the European Neuroimaging Committee of the EANM
1996-now: Full Member of the European Society of Nuclear Medicine
1993-1999 Full Member of the Society of Nuclear Medicine

Knowledge of languages:

Italian (mother tongue)
English: (fluent)
Spanish: (fluent)
Swedish : (fluent)
French: (conversational)
Japanese: (basic)

Courses attended:

Cognitive Neuroscience I. Perception, attention, memory and language. Dept of Clinical Neuroscience, Dept of Psychology, Karolinska Institute/ Stockholm University. Stockholm, Sweden, 3rd-14th April **2000**

Alzheimer's Disease – clinical features and pathogenic mechanisms. Div. of Geriatric Medicine, NEUROTEC, Karolinska Institutet, Huddinge University Hospital, Stockholm, Sweden, 15th -19th November, **1999**

Nuclear Medicine- Physics and Techniques. Lund University, Swedish Association for Nuclear Medicine and Swedish Association of Radiophysics. Lund, Sweden, 4th -8th October **1999**

SPECT-CBF. Practical and Scientific Course I. Department of Clinical Neuroscience, Division of Clinical Neurophysiology, Lund University. Lund, Sweden, 24th -25th January **1998**

Educational Responsibilities:

2009-2013 Co-supervisor of the Ph.D. student **Irina Manouilenko**: Autism Spectrum Disorders in adults – Biological Dimensions. Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden

2004-2008 Co-Supervisor of the Ph.D. student. **Göran Högberg**: Results of Eye Movement Desensitization Reprocessing Treatment and Neurobiology in Post-traumatic Stress Disorder. Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden

2000-2004 Co-Supervisor of the Ph.D. student **Ann Gardner**: Mitochondrial dysfunction and alterations of brain HMPAO SPECT in depressive disorder – Perspectives on origins of “somatisation”. Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden,

Teaching

2019-2020 Correlati neuro-biologici dello stress” **Degree Course** in “Processi cognitivi e tecnologie – Indirizzo: Tecnologie di supporto clinico alla persona presso la Facoltà di Psicologia. Uninettuno, Rome, Italy

2018 Neurobiologia della Mindfulness II. **Level 1 Master Course**: Approfondimenti sulla Mindfulness: dalla neurobiologia alle applicazioni cliniche. Turin University, Italy
5th October

2018-2019 Aggiornamenti in Neuroscienze. **Level 2 Master Course** in Psiconeuroendocrino-immunologia e Scienza della Cura Integrata. Aquila University, L’Aquila, Italy 24th November

2018 Neuroimaging learning course. **Level 2 Master Course**. European School of Nuclear Medicine (ESMIT), Belgrade, Serbia, 7th – 9th September

2017-2018 Aggiornamenti in Neuroscienze. **Level 2 Master Course** in Psiconeuroendocrino-immunologia e Scienza della Cura Integrata. Aquila University, L’Aquila, Italy 15th December

2017 Neurobiologia della Mindfulness. **Level 1 Master Course**: Approfondimenti sulla Mindfulness: dalla neurobiologia alle applicazioni cliniche. Turin University, Italy 6th June

2016-2017 Impatto della psicoterapia sulla neurobiologia del trauma. Neuroimmagini funzionali e strutturali. **Level 2 Master Course** in Psico-Neuro-Endocrino-Immunologia, L’Aquila University, Italy, 18th November

Member of Editorial Board:

European Journal of Nuclear Medicine and Molecular Imaging
The Open Nuclear Medicine Journal
Frontiers in Medicine

Guest Editor

Special Issue of the Quarterly Journal of Nuclear Medicine and Molecular Imaging on European Conference on Clinical Neuroimaging topics. December **2017**

Special Issue of the Quarterly Journal of Nuclear Medicine and Molecular Imaging on: PET in Neurodegenerative Disorders, Issue 58 December **2014**

Peer Reviewer for:

Journal of Cerebral Blood Flow and Metabolism, Neurological Science, Journal of Affective Disorders, European Journal of Nuclear Medicine and Molecular Imaging, European Journal of Nuclear Medicine and Molecular Imaging Research, Current Alzheimer Research, Biological Psychiatry, Experimental Physiology, Journal of Nuclear Medicine, Neurobiology of Aging, Journal of Neurochemistry, Journal of Psychiatric Neuroscience, European Journal of Medical Physics, Psychological Medicine, Psychiatry Research Neuroimaging, Neuroimage, Quarterly Journal of Nuclear Medicine, Journal of Applied Physiology, European Archives of Psychiatry and Clinical Neuroscience, Journal of Neurology, Brain Topography, Journal of Alzheimer’s Disease, Brain Structure and Function

Organisation of International Conferences

2017. Chair of the Scientific and Local Organizing Committee of the 6th European Conference of Clinical Neuroimaging, Rome, Italy March 27th-28th

2016Chair of the Scientific and Local Organizing Committee of the 5th European Conference of Clinical Neuroimaging, Rome, Italy March 14th-15th

2015Chair of the Scientific and Local Organizing Committee of the 4th European Conference of Clinical Neuroimaging, Rome, Italy March 23rd-24th

(see <http://www.euroccn.com/>)

GRANTS AND FUNDINGS

Short Term Mobility (STM) and JSPS Exchange Programs CNR

June-July 2010: STM Creation of a normative database for 11C-butanol PET/CT studies in psychiatric patients. Karolinska Hospital, Stockholm, Sweden

June-July 2008: STM cerebral blood flow distribution of C-11 Butanol in patients with Asperger Syndrome. Karolinska Hospital, Stockholm, Sweden

November-December 2005: STM implementation of new statistical concepts in the managing of PET and SPECT neuroimaging and their impact on clinical diagnosis. Karolinska Hospital, Stockholm, Sweden

July 2003: STM Analysis of cerebral blood flow distribution by means of SPECT/PET and CBA/SPM in normal subjects and patients bearers of Alzheimer Disease and various psychiatric disorders. Karolinska Hospital, Stockholm, Sweden

June-July 2001: STM normal rCBF distribution in a large group of normal volunteers and on the effect of cortical atrophy on rCBF as detected by SPECT. Karolinska Hospital, Stockholm, Sweden

Nov-Dec 2000 and Nov 2002-Jan 2003: STM Assessment of non-protein thiols concentration and 99mTc-meso-HMPAO uptake at normoxic, hyperoxic and hypoxic ambient condition. Biological Imaging Research Center of the Fukui University, Japan

April 2000: STM Improvement of brain SPECT methodology and related software implementing a newly designed brain phantom. Karolinska Hospital, Stockholm, Sweden

February-March 1997: STM Improvement and automation of a software for the analysis and clinical management of brain images. Karolinska Hospital, Stockholm, Sweden

Sept 1992-Jan 1993 and Nov 1993-Aug 1994: JSPS PET studies in cerebral disorders, Kyoto University, Japan

Grants

Topic	Funding Institution	Date	Amount
Deconstruct and rebuild phenotypes: a multimodal approach toward personalized medicine in ALS (DECIPHER-ALS)	Ministry of Education, University and Research (MIUR) Italy	May 2019	Euro 104.256
Neurobiological processing of emotions in Major Depression: comparing the effects of Eye Movement Desensitization and Reprocessing Anti-Depressant Medication	EMDR-Research Foundation	January 2017	USD 10.000
Neurobiological features and response to EMDR treatment in breast cancer patients	EMDR-Research Foundation	May 2015	USD 25.000
Creation of a control group of healthy individuals investigated by 11C-Butanol to be used as comparison group in psychiatric studies	Lerici Foundation	May 2014	SEK 24.000
Development of novel EEG analyses methods	EMDR Italy	April 2014	Euro 5.000
EMDR Investigation in cancer and long-lasting PTSD	EMDR Italy	March 2013	Euro

			10.000
Comparison between EMDR and CBT in long-lasting PTSD	EMDR Europe	March 2012	Euro 5.000
Pre- intra- and post-treatment EEG imaging of EMDR – Therapy related changes in a cohort of patients and healthy controls	EMDR-Research Foundation	September 2011	USD 10.000
Multivariate analyses of PET scans data in neurodegenerative disorders – clinical applications	Stockholms Lans Landstinget ALF 2013 project 503116	Jan-July 2013	SEK 142.000
Neurobiological substrate of Asperger Syndrome	Stockholms Lans Landstinget ALF 2012 Psychiatry-enhet	June 2012	SEK 66.000
Neurobiological substrate of Asperger Syndrome	Stockholms Lans Landstinget ALF 2012 project 502116	Jan-March 2012 and July-Dec 2012	SEK 181.000
GA 225387 PANDORA - Advanced Training Environment for Crisis Scenarios	UE FP7 PANDORA - GRANT AGREEMENT 225387	1/1/2010-31/3/2012	EURO 480.000,00
Implementation of multivariate analysis in PET and SPECT neuroimaging	Stockholms Lans Landstinget ALF 2011 project 501116	Jan 2011- Dec 2011	SEK 190.000
New statistical concepts in PET and SPECT neuroimaging data and their impact on clinical diagnosis	Stockholms Lans Landstinget ALF 2008 project 562818	Jun 2008-Jun 2009	SEK 330.000
Explore the neurobiological substrate of Asperger Syndrome by CBF distribution of 11C-Butanol as assessed by PET-CT	Lerici Foundation	May 2008	SEK 18.000
11C-Butanol in Autism Spectrum Disorder	Pfizer KPE project 97734	September 2007-April 2008	SEK 172.000
Analysis of CBF in normal subjects and patients with Alzheimer's Disease	Stockholms Lans Landstinget ALF 2006 project 557494	March 2006-May 2007	SEK 214.000
Implementation of 11C-Butanol in psychiatric disorders	Astra Zeneca project 97736	Oct 2004-Dec 2005	SEK 113.000
SPECT studies in PTSD	FoUU-Unit Psychiatry	Nov 2002- Oct 2004	SEK 120.000
Creation of a normative brain SPECT database	Stockholms Lans Landstinget Neuro Project	Jan 2001-Nov 2002	SEK 110.000
Cerebral blood flow during exposition to hyper- and hypobaric environment.	Swedish Research Council	Nov-Dec 1999	SEK 126.000
PET and SPECT Investigations in neurodegenerative disorders	Gustav V Jubileumsfonden	August-Oct 1996	SEK 17.000
Methodological issues in SPECT and PET	Swedish Medical Council	May 1995 – May 1996	SEK 42.000
Investigations in cerebral hemodynamics and intra-operative diagnosis	4 Grants Consiglio di Presidenza CNR	May 1988 – Sept 1990	LIT 71.000.000

Scientific Collaborations:

Research Affiliate:

2019-now. Operative agreement with the Dipartimento di Neuroscienze “Rita Levi Montalcini”, Università degli studi di Torino

2017-now. Department of Nuclear Medicine & Molecular Imaging, Medical Imaging Center, Universitair Medisch Centrum Groningen, The Netherlands

Continuous research collaboration:

1995 – now Department of Nuclear Medicine and Hospital Physics, Karolinska Hospital, Stockholm, Sweden.

2005- now Departments of Clinical Neurology and Nuclear Medicine, University of Genoa, IRCCS AOU San Martino-IST, Genoa, Italy.

Visiting Researcher:

Sept - Oct 1994 and Aug - Oct 1995 Nepal in the frame of the agreement between CNR and RONAST in the Mount Everest and Kangchenjunga areas for studies on human physiopathology in altitude.

Mar - Apr 1993 United States at the Center for Metabolic and Experimental Imaging, Department of Nuclear Medicine, University of Texas, MD Anderson Cancer Centre, Houston, Texas, USA.

Nov - Dec 1991 Venezuela at the Departamento de Medicina Nuclear, Universidad de los Andes, Merida, Venezuela.

May 1989 - Jan 1990 and Sept 1990 - Feb 1991 Sweden at the Division of Vascular Surgery, Department of Surgery, Karolinska Hospital, Stockholm, Sweden.

Oct 1987 - Oct 1988 England at the Department of Surgery, St.Thomas' Hospital, London, UK.

Participation to the Exchange Program between CNR and JSPS

Nov - Dec 2000 and Nov 2002 - Jan 2003: Assessment of non-protein thiols concentration and ^{99m}Tc-meso-HMPAO uptake at normoxic, hyperoxic and hypoxic ambient condition. Biological Imaging Research Center of the Fukui University, Japan

Sept 1992 - Jan 1993 and Nov 1993 - Aug 1994: PET studies in cerebral disorders, Kyoto University, Japan

Participation to Short Term Mobility Program CNR

February 2018: Implementation of a Statistical algorithm-based diagnosis in neurodegenerative disorders. Department of Neurology of the University Medical Center Groningen (UMCG)

November-December 2016: Creation of a statistical algorithm for automated diagnoses in neurodegenerative disorders. Karolinska Hospital, Stockholm, Sweden

June-July 2010: Creation of a normative database for ¹¹C-butanol PET/CT studies in psychiatric patients. Karolinska Hospital, Stockholm, Sweden

June-July 2008: cerebral blood flow distribution of C-11 Butanol in patients with Asperger Syndrome. Karolinska Hospital, Stockholm, Sweden

November-December 2005: implementation of new statistical concepts in the managing of PET and SPECT neuroimaging and their impact on clinical diagnosis. Karolinska Hospital, Stockholm, Sweden

July 2003: Analysis of cerebral blood flow distribution by means of SPECT/PET and CBA/SPM in normal subjects and patients bearers of Alzheimer Disease and various psychiatric disorders. Karolinska Hospital, Stockholm, Sweden

June-July 2001: normal rCBF distribution in a large group of normal volunteers and on the effect of cortical atrophy on rCBF as detected by SPECT. Karolinska Hospital, Stockholm, Sweden

April 2000: Improvement of brain SPECT methodology and related software implementing a newly designed brain phantom. Karolinska Hospital, Stockholm, Sweden

February-March 1997: Improvement and automation of a software for the analysis and clinical management of brain images. Karolinska Hospital, Stockholm, Sweden

Principal subjects and occupational skills covered:

Methodology of Positron Emission Tomography (PET) and Single Photon Emission Computed Tomography (SPECT). Development of related radiopharmaceuticals
Neurobiological correlates of psychiatric disorders and neurodegenerative diseases and their detection by functional and structural neuroimaging
Optimisation of neurodegenerative and psychiatric disease diagnosis by advanced mathematical and multimodal statistical methods
Neurophysiology and neurobiology of psychotherapies by SPECT, MRI and EEG

CME, Workshops, Courses

L'EMDR nel Trauma e oltre: neurobiologia e meccanismi d'azione. **CME**. Associazione Italiana EMDR, Roma, Italy, 1st March **2020**.

Avanzamenti nella comprensione della neurobiologia dell'EMDR. **Workshop**. XXIV Congresso Società Italiana di Psicopatologia, Roma, Italy, 20th February **2020**

Neurobiologia dello stress e dei disturbi del neurosviluppo: DSA e ADHD. **CME**. AIRIPA sezione Piemonte. Torino, Italy, 8th February **2020**

Neurobiologia dell'EMDR, i suoi meccanismi d'azione e le applicazioni cliniche. Acufene **CME**. Oggi. Un “approccio multidisciplinare”: strategie diagnostico-riabilitative. Bari, Italy, 29th November **2019**

Neurobiologia e neuropatologia del PTSD. 4th **Workshop** di psicologia e psichiatria militare. Centro Alti Studi per la Difesa. Roma, Italy 27th November **2019**

Effetti dello stress in donne e bambini: neurobiologia e implicazioni cliniche. **Workshop**. La violenza su donne e bambini: neurobiologia degli effetti del trauma e percorsi di cura. Consiglio Regionale della Calabria. Reggio Calabria Italy 21st November **2019**

EMDR - neurobiological and clinical implications. **Workshop**. Faculty of Philosophy Ss. Cyril and Methodius University. Skopje, North Macedonia, October the 8th **2019**.

Esperienze Sfavorevoli Infantili: neurobiologia e sviluppi psicopatologici. **Workshop**. ADOS – SINAPSI. Galatro, Italy, 1st – 2nd June **2019**

ALS: PET Neuroimaging. **Workshop**. 1^o Consensus meeting “Management della SLA con disturbi cognitivi” Sesto San Giovanni, Italy 24th -25th May **2019**

Impatto della neurobiologia sulla comprensione dei disturbi psichici e delle relative psicoterapie. **Workshop**. Ivrea, Italy 5th April **2019**.

Evidenze neurobiologiche della terapia EMDR. **Workshop**. Seminario su EMDR. Fondazione IRCCS Cà Granda Ospedale Maggiore Policlinico. Milano 4th April **2019**

Neurobiologia dei disturbi psicosomatici. **Workshop**. Al di là della dicotomia mente corpo: i disturbi somatoformi. STPP & CPAS & Società Ticinese di Reumatologia. Mendrisio, Switzerland. 20th March **2019**

La psicoterapia alla prova delle neuroscienze. **Course**. Seminario tematico COIRAG. Milano Italy, 9th March **2019**

EMDR: panoramica su neurobiologia, applicazioni cliniche e meccanismi d'azione. **CME**. EMDR: un trattamento efficace per la cura del trauma psichico e dei disturbi ad esso correlati. Unione Medici Italiani – Formazione. Brescia, Italy 23rd February **2019**.

Neurobiologia e meccanismi d'azione delle psicoterapie. **Workshop**. Seminario Tematico ADOS, Galatro, Italy, 20th-21st October **2018**

RM, FDG-PET e altre modalità PET nella SLA. **CME**. Corso avanzato di medicina nucleare in neurologia, Pesaro, Italy, 29th September **2018**

Brief Presentation of EMDR mechanism of action. **Workshop**. 19th EMDR European Conference, Strasbourg, France 28th June **2018**

Neuroimmagini funzionali: nuova frontiera della conoscenza (Part 2). **Workshop**. Associazione di Psicoterapia Psicoanalitica di gruppo. Milan, Italy 19th May **2018**

Neuroimmagini funzionali: nuova frontiera della conoscenza (Part 1). **Workshop**. Associazione di Psicoterapia Psicoanalitica di gruppo, Milan, Italy, 12th May **2018**

Psychotherapies and PTSD – Focus on EMDR and its mechanism of action. **Workshop**. Efficiency of psycho-therapy - in particular EMDR-therapy - based on neuroimaging. EMDR Belgium. Bruxelles, Belgium, 28th April **2018**

Patofisiologia per neuro immagini della violenza. **CME**. COIRAG Congresso Nazionale: La violenza nei legami. Turin, Italy 19th May **2017**

Novel findings on EMDR neurobiology and mechanisms of action. **Workshop**. Föreningen EMDR Sverige, Stockholm, Sweden, 5th May **2017**

Neuroscienze: cervello-mente-corpo. L'apporto delle neuroscienze e delle terapie psicocorporee alla risoluzione del trauma. **Workshop**. Locarno, Switzerland 8th April **2017**

Value of neuroimaging in disclosing PTSD and EMDR neurobiology. **Workshop**. Toulouse, France, 18th March **2017**

Aspetti anatomo-funzionali del trauma psicologico e dei diversi tipi di stress. **CME**. Psicoterapia e Neuroscienze. Scuola quadriennale di specializzazione in psicoterapia sistemico-famigliare del CMTF. Trieste, Italy, 18th February **2017**

Neurobiological aspects of trauma and stress. **Workshop**. Konsultationspsykiatri och psykosomatik, Huddinge Hospital, Karolinska Institutet, Stockholm, Sweden, 8th December **2016**

L'efficacia della psicoterapia vista attraverso le neuro immagini. **CME**. La Psiconeuroendocrinoimmunologia per il rinnovamento della psichiatria e della psicoterapia. Congresso SIPNEI, Rome, Italy, 21st-22nd October **2016**

Ruolo del neuroimaging nei pazienti con demenza e disturbi del movimento. **CME**. Recenti progressi nella gestione clinica dei pazienti con demenza. Congresso AIP, Bolzano, Italy, 7th October **2016**

Recent developments in the Neurobiology of EMDR and how to teach it on your training. **Workshop**. 17th EMDR European Conference, The Hague, Holland, 16th June **2016**

Recent developments in the Neurobiology of EMDR and how to use it in your supervision. **Workshop**. 17th EMDR European Conference, The Hague, Holland, 16th June **2016**

Impatto delle neuroimmagini in psicologia e psicoterapia. **CME**. Trauma e Neuroscienze. Locarno, Switzerland; 23rd 24th April **2016**

Sensibilità e resilienza allo stress: correlati neurobiologici. **Workshop**. Accrescere la resilienza nella popolazione: aspetti psicologici, sociologici, legali, assicurativi e

responsabilità del sindaco. Culture And RISkmanagement in Man-made And Natural Disasters. Florence, Italy 5th March **2016**

EMDR - Anatomo-fisiopatologia dell'efficacia clinica. **Workshop**. Review Days EMDR Italia. Rome, Italy, 14th November **2015**

Neurobiological aspects of somatization and trauma. **Workshop**. Konsultationspsykiatri och psykosomatik, Huddinge Hospital, Karolinska Institutet, Stockholm, Sweden, 15th October **2015**

EMDR dalla neurofisiologia alla pratica clinica. **CME**. I percorsi di cura del trauma: l'EMDR. Lecce, Italy, 30th September **2015**

EMDR psychopathological concepts: state-of-the art and future perspectives. **CME**. Swiss EMDR Association Annual meeting. Bern, Switzerland, 17th September **2015**

EMDR: dalla neurobiologia all'efficacia clinica. **CME**. Trauma e Neuroscienze. Locarno, Switzerland; 21st June **2015**

Implicazioni neurobiologiche del trauma e dell'EMDR. **CME**. Prospettive cliniche e neurobiologiche nel trattamento dell'abuso e della trascuratezza. Rome, Italy, 22nd May **2015**

L'impatto del trattamento con EMDR sulla neurobiologia del PTSD. **CME**. Il trauma e il suo ruolo nella psicopatologia. Interventi terapeutici. Verona, Italy, 2nd March **2015**

Neurobiologia del trattamento psicoterapico del trauma: stato dell'arte e prospettive future. **Workshop**. Giornate sul trauma 2014: modelli clinici a confronto. Bari, Italy 15th November **2014**.

EMDR - Anatomo-fisiopatologia dell'efficacia clinica. **Workshop**. Review Days EMDR Italia. Milan, Italy, 8th – 9th November **2014**

Quadri FDG-PET nella Sclerosi Laterale Amiotrofica. **CME**. Corso Avanzato di Medicina Nucleare in Neurologia. Pesaro, Italy, 25th-27th September **2014**

La risposta neuroendocrina allo stress post-traumatico e l'efficacia dell'EMDR nel PTSD: considerazioni neurofisiologiche e cliniche. **Workshop**. Memorie traumatiche e psicopatologie trauma correlate - Nuovi orizzonti e prospettive di cura. Matera, Italy 29th April **2014**

PTSD psychotherapies. Functional and structural neuroimaging and EEG monitoring. **Workshop CME**. XIII Congress of the European Society for Traumatic Stress Studies, Bologna, Italy, June 6th-9th, **2013**

Dementia 1&2. **Course CME**. EANM Neuroimaging Course, Wien, Austria 20th-21st April **2013**

Basi neurobiologiche dei disturbi psichici e correlati clinici. **CME**. Stigma, urgenze e immagini delle malattie mentali. AOU San Luigi Gonzaga, Orbassano, Italy. January 30th **2013**

Neurobiologia dell'EMDR. **CME**. EMDR, un nuovo approccio di intervento sul trauma nei disastri collettivi. AOU San Luigi Gonzaga, Orbassano, Italy. January 31st **2013**

Cerebrovascular Disease. **Course CME.** EANM Neuroimaging Course, Wien, Austria 12th-13th May **2012**

Movement Disorder. **Course CME.** EANM Neuroimaging Course, Wien, Austria 12th-13th May **2012**

Dementia 1&2. **Course CME.** EANM Neuroimaging Course, Wien, Austria 12th-13th May **2012**

Basi neurobiologiche del PTSD e dell'EMDR, metodologia, rivisitazione critica della letteratura e ricerche in atto. **Workshop CME.** NAVEN, Udine, Italy, November 19th **2011**

Neuroimaging and novel neurobiological findings in EMDR research. **Workshop CME.** 12th EMDR European Conference, Wien, Austria, June 3rd to 5th **2011.** Abs Book: 16-17.

Neurobiologia e nuovi concetti fisiopatologici dell'EMDR. **CME.** La psicotraumatologia oncologica. IRE-ISG Regina Elena San Gallicano, Rome, Italy November 22nd **2010**

Neuroimmagini ed effetti neurobiologici della psicoterapia del trauma. **CME PTSD modelli di trattamento Percorsi Internazionali di Studio in Psichiatria: Psicoterapia, Psicofarmacoterapia, Trattamenti integrati.** Rome, Italy, November 18th-20th **2010**

Emerging psychiatric disorders: neurobiology and differential diagnoses. **CME.** "Neuroimaging: Nuclear Medicine in: Psychiatry: Looking for Higher Diagnostic Accuracy - an Emphasis on Mood Disorders". (European Association of Nuclear Medicine Congress; October 9th-13th, **2010**, Wien, Austria. **Eur J Nuc Med Mol Imaging 2010**; 37: S2 288)

Trauma e psicoterapia, aspetti anatomici e neurobiologici. **CME.** Percorsi Internazionali di Studio in Psichiatria: Psicoterapia, Psicofarmacoterapia, Trattamenti integrati. Rome, Italy, 10th -11th December **2009**

Neurobiologia del trauma – Aspetti anatomici e funzionali. **CME.** La Depressione e il Trauma. Osp. S. Luigi Gonzaga, Orbassano, Italy, 11th November **2009**

Immagini funzionali e neurobiologia delle malattie psichiatriche. **CME.** XLV Congresso Nazionale Società Italiana di Psichiatria, Rome, Italy, 11th -15th October **2009.** Abs Book: pp. 28

Impiego delle metodiche medico-nucleari: i disordini psichiatrici emergenti. **CME.** "La Medicina Nucleare in Neurologia e Psichiatria", AIMN, Pesaro 24th -26th September **2009**

Impiego delle metodiche medico-nucleari: schizofrenia e depressione. **CME.** "La Medicina Nucleare in Neurologia e Psichiatria", AIMN, Pesaro 24th-26th September **2009**

Ottimizzazione delle metodologie di imaging funzionale per una migliore diagnosi delle malattie neurodegenerative. **CME.** "Parkinson e Demenza, dalla diagnosi alla presa in carico", Fondazione Don Gnocchi, Rome 19th-20th November **2005**

Telemedicine: from extreme conditions to daily life. Course of Telemedicine in the context of the organisational and technological transformation of health; Bertinoro, Italy, 20th April **1998**

Cardiovascular monitoring in extreme conditions. International Advanced **Course** in "Cardiovascular Physiology and Pathophysiology applied to Physical Exercise and Sport", Rome, 27th November-12th December **1995**

Keynotes and Plenary Lectures

EMDR neurobiological correlates and future perspectives. 4th Congreso Español EMDR. Madrid, 14th December **2019**

EMDR: Dalle evidenze del presente alle prospettive future. Congresso Nazionale EMDR, Milano 27th September **2019**

Parkinson imaging. XXXIII Congresso Brasileiro de Medicina Nuclear. Porto Alegre, Brasil, 6th September **2019**

Neurobiologia degli eventi di vita e degli interventi psicoterapici. 44th Congress of Società Italiana di Psicoterapia Medica. Torino, Italy 7th June **2019**

ALS and HD towards clinical use of neuroimaging. 8th European Conference on Clinical Neuroimaging. Brussels, Belgium, 21st-22nd May **2019**

EMDR neurobiological correlates of clinical efficacy. 2^{me} Congres International Annuel EMDR Maroc. Marrakech, Morocco, 23rd March **2019**

Brain and psychotherapy. EMDR- neurobiological impact and new horizons beyond PTSD. Seminar. University of Gdansk, Poland, 11th March **2019**

Brain and psychotherapy. EMDR- neurobiological impact and new horizons beyond PTSD. University of Kielce, Poland, 13th March **2019**

Nuovi orizzonti per l'EMDR: dalla clinica alla ricerca. Nuovi sviluppi nell'ambito dei disturbi psicologici e mentali. Il contributo della terapia EMDR. Tirana, Albania, 17th November **2018**

Neurobiologia dei maltrattamenti nell'infanzia e nell'adolescenza. Comune di La Spezia: "La prevenzione nell'età evolutiva. I fattori determinanti per armonico sviluppo cognitivo e fisico". La Spezia, Italy, 18th October **2018**

Brain Imaging and EMDR Mechanisms of Action. 19th EMDR European Conference, Strasbourg, France 30th June **2018**

Positron Emission Tomography in ALS. ALS as a cortico-efferent syndrome. Ulm, Germany, 8th June **2018**

Neurobiological changes in psychotherapy. Swedish Psychiatry Association Congress. Stockholm, Sweden 14th March **2018**

PTSD e psicoterapie: normalizzazione neurobiologica e guarigione clinica. Dept. of Biotechnological and Applied Clinical Sciences, University of l'Aquila, Italy, 16th November **2017**

Novel analysis methods in cerebral neurodegenerative diseases diagnosis by PET. National Conference of Nuclear Medicine 3rd Edition, Bucharest, Romania, 28th October **2017**

Neuroimmagini in psicologia: correlati funzionali della guarigione clinica. Convegno Consiglio Nazionale Ordine degli Psicologi, Roma, Italy, 14th October **2017**

EMDR mechanisms supported by neurobiological evidence. In: Eye movement desensitization and reprocessing (EMDR): neurobiological mechanisms and clinical applications. WPA XVII World Congress of Psychiatry. Berlin, Germany, 11th October **2017**

EMDR putative mechanisms of action. 47th Congress of the European Association of Behavioural and Cognitive Therapies. Lubijana, Slovenia, 15th September **2017**

Novel findings in Dementia diagnosis by PET. Linkoping University Hospital, Linkoping, Sweden, 14th June **2017**

Brain networking in neurodegenerative disorders. 6th European Conference on Clinical Neuroimaging. Rome, Italy, 28th March **2017**

Impatto dell'EMDR sulla neurobiologia del trauma. Università Salesiana, Rome, Italy, 2nd March **2017**

Impacto de EMDR en la neurobiologia de el TEPT. EMDR-APPIA Meeting, Montevideo, Uruguay, 9th November **2016**

Impacto de EMDR en el sistema límbico. IV Congreso Ibero-Americano EMDR. Buenos Aires, Argentina, 28th October-1st November **2016**

Imaging neurodegeneration: from metabolic patterns to individual diagnosis. 5th Balkan & 13th National Congress of Nuclear Medicine, Thessaloniki, Greece 17th – 20th June, **2016**

Metabolic and cognitive patterns in Amyotrophic Lateral Sclerosis. 2nd International conference on Neurological Disorders and Stroke. Dubai, UAE, 28th-30th April **2016**

Impact of EMDR treatment in functional and anatomical neuroimaging. Institut de Neurosciences de la Timone (INT), University of Marseille, France, 26th February **2016**

Impact neurobiologique de l'EMDR évalué par la neuroimagerie fonctionnelle. Colloque européen: Neurosciences et Psychothérapies. Bordeaux, France, 20th November **2015**

Liens neurobiologiques entre dissociation et EMDR. Congrès EMDR et Dissociation – Modèles et prises en charge. Metz, France, 17th November **2015**

Role of PET in the diagnosis and differential diagnosis of Movement Disorders. 38th European Society of Neuroradiology Annual Meeting. Naples, Italy, 19th September **2015**

Imaging EMDR related neurobiological changes. 2015 EMDRIA Conference; Philadelphia, USA, 29th August **2015**

Diagnostic accuracy of FDG-PET in neurodegenerative disorders. The 13th Congress of the Romanian Society of Neurology. Bucharest, Romania, 8th May **2015**

Is amyloid imaging really helpful in diagnosing, characterizing and disease modifying treatment approaches in dementias? The 9th World Congress of Controversies in Neurology. Budapest, Hungary, 28th March **2015**

SLA FDG-PET as a biomarker. X National Meeting of the Italian Society of Neurology for Dementias. Genoa, Italy, 27th March **2015**

Psychotherapies and Trauma: Past, Present and Future. Conference of European Association for Psychotherapy, Vilnius, Lithuania, 16th October **2014**

Cortical activation changes in PTSD treatment - EEG monitoring during EMDR. 55th Annual Meeting of the Japanese Society for Child and Adolescent Psychiatry. Shizuoka, Japan, 13th October **2014**

Neurodegeneration: recent advancements in neuroimaging. Hamamatsu Medical Imaging Center, Hamamatsu, Japan, 9th October **2014**

Impatto neurobiologico dell'EMDR nella patologia oncologica. Innovare in Psico-oncologia. Porto San Giorgio, Italy, 27th September **2014**

Neurobiology of EMDR – Past, Present and Future. 15th European EMDR Conference, Edinburgh, UK, June 28th **2014**

Violenza sessuale e aggressività- Neurobiologia e possibili interventi psicoterapici. Centro Spazio Sicuro, Child Neuropsychiatry, University of Rome, La Sapienza, Italy, May 23rd **2014**

Imaging Neurodegenerative disorders: state-of-the-art and future perspectives. 3rd Balkan and Romanian Congress of Nuclear Medicine. Present and Future in Nuclear Medicine. Bucharest, Romania, April 23rd-26th **2014**

Brain imaging: new standards. 26th Turkish Congress of Nuclear Medicine. Antalya, Turkey, 16th -20th April **2014**.

Molecular imaging in dementia. 26th Turkish Congress of Nuclear Medicine. Antalya, Turkey, 16th -20th April **2014**.

Functional neuroimaging and EEG monitoring in EMDR treatment. Different perspectives on mental illness. 4th Young Psychiatrists' Network Meeting. . Wroclaw, Poland, 3rd-5th April **2014**

Structural alterations associated with dissociative traits in PTSD. Different perspectives on mental illness. 4th Young Psychiatrists' Network Meeting. . Wroclaw, Poland, 3rd-5th April **2014**

Neurobiology of Neurodegenerative Disease: state-of-the-art of functional patterns and diagnostic accuracy. International workshop on molecular functional imaging for brain and gynecologic oncology. Fukui, Japan March 3rd-4th **2014**. Abs Book: 5.

Neurofisiopatologia della violenza sessuale e non - Possibili interventi psicoterapici. Congresso Nazionale EMDR. Milano, Italy 10th November **2013**

Neurobiology of PTSD and related psychotherapies. Seminar on Earthquake & Post-Traumatic Stress Disorder. Chinese Academy of Sciences Beijing, China, 9th September **2013**

Neurobiological correlates of PTSD and related psychotherapeutic treatment. XIII Congress of the European Society for Traumatic Stress Studies, Bologna, Italy, June 6th-9th, **2013**

Imaging of hypoxia in neurology. 2nd Molecular Imaging and Biology in Oncology Meeting. Nice, France, January 27th-28th **2012**

Functional changes and EEG monitoring during EMDR therapy. 12th EMDR European Conference, Wien, Austria, June 3rd to 5th **2011**. Abs Book: 28-29

Effetti Neurobiologici della psicoterapia del trauma. In: L'EMDR: un approccio psicoterapico a ponte tra psiche e neurobiologia. XII Congresso Nazionale della Sezione di Psicologia Clinica e Dinamica. Torino 24th – 26th September **2010**. Congress Acta p. 165.

PET and Neuroscience. Pre-Conference Neuroimaging Course; 3rd Conference on Restauracion Neurologica, Habana, Cuba, 9th -13th March **2009**

Neurobiological substrate of psychiatric disorders investigated by multivariate analyses. 3rd Conference on Restauracion Neurologica, Habana, Cuba, 9th -13th March **2009**

Substrato neurobiologico della Sindrome da Stress Post-Traumatico e relativo impatto strutturale e funzionale della terapia con EMDR. Congresso Nazionale EMDR Italia, Milano, Italy, 7th - 9th November **2008**. Abs Book:page 13

Ottimizzazione delle metodologie di imaging funzionale per una migliore diagnosi delle malattie neurodegenerative. Parkinson e Demenza: dalla diagnosi alla presa in carico. Roma, Italy, 19th -20th November **2005**

Argonauta Telemedicine Courses. 1st International Workshop for ODL Materials Production and Delivery. Valencia, Spain, 19th -21th July **2000**

How can you get a doctor on Mount Everest? Science Festival 2000, Göteborg, Sweden, 5th - 14th May **2000**

Telemedical cardiology - from research to clinical applications. Norsk Telemed '97; Bergen, Norway, 3rd - 5th September **1997**

Cognitive functions and cerebral blood flow distribution under acute and chronic hypoxia. Conferenza Italo-Americana sull'Emergenza, Courmayeur, Italy, 2nd - 5th April **1997**

Telemedicine in extreme and normal conditions. Marconi Meeting Point Seminar, Buenos Aires, Argentina, 18th November **1996**

Alterations neuropsychologiques et circulatoires cérébrales suite à l'hypoxie aigue et chronique. Seminaire sur la physiologie et environment extreme, Chambéry, France, 12th October **1996**

Telemedicine in extreme and normal conditions. International Technological Convention, Johannesburg, Southafrica, 12th July **1996**

Antartic and Everest italian experiences. Symposium on issues in Telemedicine and Distance Education, Perth, Australia, 17th April **1996**

Brain and Hypoxia. Italian-Australian Scientific Weeks 96, Adelaide, Australia, 1th - 16th April **1996**

Advanced Italian Technologies in Telemedicine. ExpoCom China 95, Canton, China, 2nd - 9th December **1995**

Telemedicine and Telecardiology in Antartide and Himalaya. Fiera della Montagna, Bolzano, Italy, 2nd - 6th June **1995**

Progetto strategico Ev-K2 CNR. Convegno Nazionale su "Teleassistenza e Telemedicina", Roma, Italy, 21st April **1995**

PUBLICATIONS

Citation indices	All	Since 2018
Citations	6093	2891
h-index	45	30
i10-index	103	73

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2. Sennfalt S, **Pagani M**, Fang F, Savitcheva I, Estenberg U, Ingre C. FDG-PET imaging shows weak correlation between focal motor weakness and brain metabolic alterations in a Swedish ALS cohort. **Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration** 2023
3. Canosa A; Martino A; Manera U; Vasta R; Grassano M; Palumbo F; Cabras S; Di Pede F; Arena V; Moglia C; Giuliani A; Calvo A; Chiò A; **Pagani M**. Brain 18F-FDG-PET is an independent predictor of survival in Amyotrophic Lateral Sclerosis. **European Journal of Nuclear Medicine and Molecular Imaging** 2023; 50:784-791
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4. Canosa A, Martino A; Giuliani A, Moglia C, Vasta R, Grassano M, Palumbo F, Cabras S, Di Pede F, De Mattei F, Matteoni E, Arena V, Manera U, Calvo A, **Pagani M**, Chiò A. Brain metabolic differences between pure bulbar and pure spinal Amyotrophic Lateral Sclerosis: 2-[18F]-FDG-PET study. **Journal of Neurology** 2022; doi.org/10.1007/s00415-022-11445-9
5. Faretta E, Maslovaric G, Garau MI, Marmondi G, Piras L, Rezzola S, Incerti A, Nardoni A, **Pagani M**, Gallina E. The psychological impact of the COVID emergency on Italian nursing homes staff and the efficacy of EMDR. **Frontiers in Psychology** 2022; | Volume 13 | Article 969028. doi: 10.3389/fpsyg.2022.969028
6. Fernandez I, **Pagani M**, Gallina E. Post-traumatic stress disorder (PTSD) among healthcare workers during the Covid-19 pandemic in Italy: effectiveness of an EMDR intervention protocol. **Frontiers in Psychology** 2022; | Volume 13 | Article 964334. doi:10.3389/fpsyg.2022.964334
7. Calvo A, Canosa A, Moglia C, Manera U, Grassano M, Vasta R, Palumbo F, Cugnasco P, Gallone S, Brunetti M, De Marchi F, Arena V, **Pagani M**, Dalgard C, Scholz SW, Chia R, Corrado L, D'Alfonso S, Mazzini L, Traynor B, Chio A. The clinical and metabolic signature of UNC13A rs12608932 polymorphism in ALS. **Neurology Genetics** 2022; Oct 26; 8: e200033; doi:10.1212/NXG.000000000200033
8. Faretta E, Garau MI, Gallina E, **Pagani M**, Fernandez I. Supporting healthcare workers in times of COVID-19 with EMDR online. **Frontiers in Psychology** 2022. August 2022 | Volume 13 | Article 964407. doi:10.3389/fpsyg.2022.964407

9. Mattera A, Cavallo A, Granato G, Baldassarre G, **Pagani M**. A biologically inspired neural network model to gain insight into the mechanisms of post-traumatic stress disorder and eye movement desensitization and reprocessing therapy **Frontiers in Psychology** **2022**. July 2022 | Volume 13 | Article 944838. doi: 10.3389/fpsyg.2022.944838
10. Persichilli G, Grifoni J, **Pagani M**, Bertoli M, Gianni E, L'Abbate T, Cerniglia L, Bevacqua G, Paulon L, Tecchio F. Sensorimotor interaction against trauma. **Frontiers in Neuroscience Neuroprosthetics** June 2022 | Volume 16 | Article 913410. doi: 10.3389/fnins.2022.913410
11. Maiorani C, Fernandez I, Tummino V, Verdi D, Gallina E, **Pagani M**. A and COVID 19: traumatic stress and social distancing in the Italian epicenter of pandemic. **Journal of Integrative Neuroscience** **2022**; 21(5): 143 doi:10.31083/j.jin2105143
12. Rossini PG, Ostacoli L, **Pagani M**, Malandrone F, Oliva F, Cominu L, Annetta MC, Carletto S. The neural signature of the psychological interventions in persons with cancer: a scoping review. **Integrative Cancer Therapies** **2022**; 21: 1-17. doi.org/10.1177/15347354221096808
13. Canosa A, Calvo A, Moglia C, Vasta R, Palumbo F, Fuda G, Di Pede F, Cabras S, Arena V, Novara A, Salamone P, Matteoni E, Sbaiz L, Gallone S, Grassano M, Manera U, Chiò A, **Pagani M**. Brain 18Fluorodeoxyglucose-Positron-Emission Tomography changes in Amyotrophic Lateral Sclerosis with TARDBP mutations. **Journal of Neurology Neurosurgery and Psychiatry** **2022**; 93:1021-1023. jnnp-2021-328296. doi: 10.1136/jnnp-2021-328296
14. Canosa A, Calvo A, Moglia C, Vasta R, Palumbo F, Solero L, Di Pede F, Cabras S, Arena V, Zocco G; Casale F, Brunetti M, Sbaiz L, Gallone S, Grassano M, Manera U, **Pagani M**, Chiò A. Amyotrophic Lateral Sclerosis with SOD1 mutations shows distinct brain metabolic changes. **European Journal of Nuclear Medicine** **2022**; 49:2242-2250. doi.org/10.1007/s00259-021-05668-7
15. Massa F, Chincarini A, Bauckneht M, Raffa S, Peira E, Arnaldi D, Pardini M, **Pagani M**, Orso B, Donegani I, Brugnolo A, Biassoni E, Mattioli P, Girtler N, Guerra UP, Morbelli S, Nobili F. Added value of semi-quantitative analysis of brain FDG-PET for the differentiation between MCI-Lewy bodies and MCI due to Alzheimer's disease. **European Journal of Nuclear Medicine** **2022**; 49:1263-1274. doi: 10.1007/s00259-021-05568-w
16. Fogliato E, Invernizzi R, Maslovaric G, Fernandez I, Rigamonti V, Lora A, Frisone E, **Pagani M**. Promoting Mental Health in Healthcare Workers in Hospitals through Psychological Group Support with EMDR during the Coronavirus Pandemic 2019: An Observational Study. **Frontiers in Psychology** **2022**. January | Volume 12 | Article 794178. doi: 10.3389/fpsyg.2021.794178
17. Cavallo M, Sergi A, **Pagani M**. Cognitive and social cognition deficits in Huntington's disease differ between the prodromal and the manifest stages of the condition: A scoping review of recent evidence. **British Journal of Clinical Psychology** **2022** 61:214-242. doi: 10.1111/bjc.12337

18. Lazzaroni E, Invernizzi R, Fogliato E, **Pagani M**, Maslovaric G. Covid-19 emergency and remote EMDR group therapy with adolescents and young adults: overcoming lockdown with the butterfly hug. **Frontiers in Psychology 2021**; August | Volume 12 | Article 701381
19. Canosa A, Calvo A, Moglia C, Manera U, Vasta R, Di Pede F, Cabras S, Nardo D, Arena V, Grassano M, D'Ovidio F, Van Laere K, Van Damme P, **Pagani M**, Chiò A. Brain Metabolic Changes Across King's Stages in Amyotrophic Lateral Sclerosis: a 18F-2-fluoro-2-deoxy-D-glucose-Positron Emission Tomography Study. **European Journal of Nuclear Medicine Molecular Imaging 2021**; 48:1124–1133. doi.org/10.1007/s00259-020-05053-w
20. Canosa A, Vacchiano, D'Ovidio F, Calvo A, Moglia C, Manera U, Vasta R, Arena V, Grassano M, Palumbo F, Peotta L, Iazzolino B, **Pagani M**, Chiò, A. Brain Metabolic Correlates of Apathy in Amyotrophic Lateral Sclerosis: a 18F-FDG-PET study. **European Journal of Neurology 2021**; 28(3):745-753doi: 10.1111/ene.14637
21. Canosa A, Palumbo F, Iazzolino B, Peotta L, Di Pede F, Manera U, Vasta R, Grassano M, Solero L, Arena V, Moglia C, Calvo A, Chiò A, **Pagani M**. The Interplay Among Education, Brain Metabolism, and Cognitive Impairment Suggests a Role of Cognitive Reserve in Amyotrophic Lateral Sclerosis. **Neurobiology of Aging 2021**; 98: 205-213. doi.org/10.1016/j.neurobiolaging.2020.11.010
22. Canosa A, Moglia C, Manera U, Vasta R, Torrieri MC, Arena V, D'Ovidio F, Palumbo F, Zuccheti JP, Iazzolino B, Peotta L, Calvo A, **Pagani M**, Chiò A. Metabolic brain changes across different levels of cognitive impairment in ALS: a 18F-FDG-PET study. **Journal of Neurology Neurosurgery and Psychiatry 2020**; jnnp-2020-323876 doi: 10.1136/jnnp-2020-323876
23. Martí-Andrés G, Bommel L, Meles SK, Riverol M, Kogan RV, Gurvits V, Renken R, van Laar T, **Pagani M**, Prieto E, Luquin R, Arbizu J, Leenders KL. Multicenter Validation of Metabolic Abnormalities Related to PSP According to the MDS-PSP Criteria. **Movement Disorders 2020**; 35: 2009-2018 doi: 10.1002/mds.28217
24. Mattera A, **Pagani M**, Baldassarre G. A computational model integrating multiple phenomena on cued fear conditioning, extinction, and reinstatement. **Frontiers in Systems Neuroscience 2020**; September | Volume 14 | Article 569108. doi: 10.3389/fnsys.2020.569108
25. Massa F, Grisanti S, Brugnolo A, Doglione E, Orso , Morbelli S, Bauckneht M, Origone P, Filippi L, Arnaldi A, De Carli F, Pardini M, **Pagani M**, Nobili F, Girtler N. The role of anterior prefrontal cortex in prospective memory: an exploratory FDG-PET study in early Alzheimer's disease. **Neurobiology of Aging 2020**; 96: 117-127
26. Manera U, Peotta L, Iazzolino B, Canosa A, Vasta R, Palumbo F, Torrieri MC, Solero L, Daviddi M, Grassano M, Moglia C, **Pagani M**, Chiò A, Cavallo M. The characteristics of cognitive impairment in ALS patients depend on the lateralization of motor damage. . **Brain Sciences 2020**; 10, 650; doi:10.3390/brainsci10090650

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28. Trentini C, **Pagani M**, Lauriola M, Tambelli R. Neural Responses to Infant Emotions and Emotional Self-Awareness in Mothers and Fathers during Pregnancy. **International Journal of Environmental Research and Public Health** **2020**; 17:3314. doi:10.3390/ijerph17093314
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32. Kassubek J, **Pagani M**. Imaging in amyotrophic lateral sclerosis - MRI and PET. **Current Opinions in Neurology** **2019**; 32:740-746. doi: 10.1097/WCO.0000000000000728
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34. Chiaravalloti A, Micarelli A, Ricci M, **Pagani M**, Ciccariello G, Bruno E, Alessandrini M, Schillaci O. Evaluation of task related brain activity: is there a role for 18F FDG PET imaging? **Biomed Research International** **2019**; Jul 2: 4762404. doi: 10.1155/2019/4762404
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