

Personal Data			
Surname	Name	Organization and Position	
Amanzio	Martina	Associate Professor, Research Group Coordinator: Neuropsychology of cognitive impairment and central nervous system degenerative diseases. Dept of Psychology, University of Turin, IT.	
Education and training			
<p>2003-2001: Postdoctoral Research Fellowship from University of Turin, Department of Psychology carried out at the neurology units of the Besta, San Raffaele Turro and San Raffaele hospitals in Milan.</p> <p>2001: Ph.D. in Neurological Sciences from the University of Turin, School of Medicine. Doctoral Thesis: The neurobiology of placebo analgesia. Graduated with excellence.</p> <p>2000: Specialization in Cognitive Psychotherapy and registration as Psychotherapist.</p> <p>1996: Passed the state examination to qualify as a practicing Psychologist.</p> <p>1995: Graduated in Psychology from the University of Turin, Department of Psychology, with 110/110 summa cum laude, special mention and recommendation for publication. Results of the dissertation on placebo analgesia published in The Lancet 346, 1231.</p>			
Research and professional experience			
<p>Positions and employment</p> <p>2016: Member of the European Innovation Partnership on Active and Healthy Ageing.</p> <p>2016: Teacher at the Doctoral School in Life and Health Sciences, University of Turin.</p> <p>2015: Associate Professor, Department of Psychology, University of Turin.</p> <p>2014: Associate Professor, National Scientific Qualification (art.16 of the law 30 December 2010, n.240): 11/E1 sector.</p> <p>2004-2014: Assistant Professor in Psychobiology at the Department of Psychology and at the Doctoral School in Life and Health Sciences, University of Turin.</p> <p>2013-present: Research Group Coordinator. Name of the RG: Neuropsychology of cognitive impairment and central nervous system degenerative diseases.</p> <p>2009-2015: Tutor at the Doctoral School in Life and Health Sciences, University of Turin.</p> <p>Ad hoc Reviewer</p> <p>2013-present: Referee for 'Futuro in Ricerca' 2013 MIUR. Referee for 'SIR 2014'. Referee for 'Bando Vinci 2015'. Referee REPRISE.</p> <p>Memberships</p> <p>Center for Cognitive Science University and Polytechnic of Turin, Neuroscience Institute of Turin, SINP, EBBS.</p> <hr/> <p style="text-align: center;">During her career M. Amanzio published 40 papers on high IF journals, 20 book's chapters. She obtained more than 2100 citations, with an H index of 22.</p>			
Congress: invited oral communications			
<p>Invited oral communications (2011-2016):</p> <ol style="list-style-type: none"> 1. Amanzio M (proposer of the workshop, chair and speaker), Bingel U, Tracey I. Title of the workshop: "Should recent insight into placebo and nocebo mechanisms force a change in clinical trial design and therapeutic setting?" Title of the talk: "How should recent insights into nocebo phenomena force us to reconsider the design of clinical trials?". EFIC meeting in Hamburg, DE (September 24, 2011). 2. Amanzio M. "Neuropsychosocial mechanism of placebo-nocebo phenomena". Seminar at the CNR and the University of Study of Milan, Department of Pharmacology Milan, IT (October 26, 2012). 3. Amanzio M. "Role of the psychosocial context in the placebo analgesia and nocebo hyperalgesia". Lecture at the Satellite symposium by the Study in Multidisciplinary Pain Research in Pavia, IT (March 20, 2013). 			

4. Amanzio M (proposer of the workshop, chair and speaker), Kunz M, Vase L. Title of the workshop: “*Pain and placebo in dementia and normal aging*”. Title of the talk: “*Pain and placebo in primary dementia*”. EFIC meeting in Florence, IT (October 11, [2013](#)).
5. Amanzio M “*Mechanisms of the nocebo response*”. Lecture at the Symposium on “The Structure of Credictions: Formation, Causation, and Ideation” Medical University of Graz, Austria (November 29, [2013](#)).
6. Amanzio M. “*A neuropsychological approach for placebo analgesia*”. Lecture at the 6th International Conference on Pain and Impaired Cognition (PAIC). University of Aalborg, Aalborg DK (March 28, [2014](#)).
7. Netter P, Amanzio M. Title of the brainstorming session (BS.6): “*The role of suggestibility in psychotropic drug action*”. 27th ECNP Congress, Berlin, Germany (October 21, [2014](#)).
8. Arendt-Nielsen L, de Tommaso M, Kunz M, Petrini L, Amanzio M. Title of the symposium: “Pain in cognitive disorders – The Cost Action”. Title of the talk: “*Placebo analgesia in primary dementias*”. XXII International Conference of the ‘Società Italiana di Psicofisiologia’. IRCCS Don Carlo Gnocchi Firenze IT (November 28, [2014](#)).
9. Amanzio M. ‘*Nocebo response and nocebo effect*’. Lecture at a Neurology Meeting. Chair Prof. Dimos Mitsikostas. University of Athens, Athens Greece (March 6, [2015](#)).
10. Amanzio M. European Innovation Partnership on Active and Healthy Ageing, A1 SYNERGY MEETING on: “INFORMATION TECHNOLOGY AND ADHERENCE IN AGEING WITH CHRONIC DISEASES AND POLYPHARMACY”. Presentation of the Commitment at NCSR Demokritos, Aghia Paraskevi, Athens, Greece (July 11, [2016](#)).

Publications in major international peer-reviewed multi-disciplinary scientific journals (selected)

- 1] **Amanzio M**, Palermo S, Skyt I, Vase L. [2016]. Lessons Learned from Nocebo Effects in Clinical Trials for Pain Conditions and Neurodegenerative Disorders. [Journal of Clinical Psychopharmacology](#) in press.
- 2] **Amanzio M**, D’Agata F, Palermo S, Rubino E, Zucca M, Galati A, Pinessi L, Castellano G, Rainero I. [2016]. Neural correlates of reduced awareness in instrumental activities of daily living in frontotemporal dementia. [Experimental Gerontology](#) doi: <http://dx.doi.org/10.1016/j.exger.2016.08.008>
- 3] Defrin R, **Amanzio M**, de Tommaso M, Dimova V, Filipovic S, Finn DP, Gimenez-Llort L, Invitto S, Jensen-Dahm C, Lautenbacher S, Oosterman JM, Petrini L, Pick CG, Pickering G, Vase L, Kunz M. [2015] Experimental pain processing in individuals with cognitive impairment: current state of the science. [Pain](#) 156(8):1396-408.
- 4] Vase L, **Amanzio M**, Price D. [2015] Nocebo versus Placebo: The Challenges of Trial Design in Analgesia Research. [Clin Pharmacol Ther](#) 97(2):143-50.
- 5] Palermo S, Benedetti F, Costa T, **Amanzio M**. [2015] Pain anticipation: An activation likelihood estimation meta-analysis of brain imaging studies. [Human Brain Mapping](#) 36(5):1648-61.
- 6] **Amanzio M**. [2015] Nocebo effects and psychotropic drug action. Editorial for [Expert Review of Clinical Pharmacology](#) 8(2):159-61.
- 7] **Amanzio M**, Palermo S, Zibetti M, Leotta D, Rosato R, Geminiani G, Lopiano L. [2014] Self-unawareness of Levodopa induced dyskinesias in patients with Parkinson’s Disease. [Brain and Cognition](#) 90C:135-141.
- 8] Petersen GL, Finnerup NB, Colloca L, **Amanzio M**, Price DD, Staehelin Jensen T, Vase L. [2014] The magnitude of nocebo effects in pain: A meta-analysis. [Pain](#) 155(8):1426-1434.
- 9] Palermo S, Cauda F, Costa T, Duca S, Gallino G, Geminiani G, Keller R, **Amanzio M**. [2014] Unawareness of Bipolar Disorder: The Role of the Cingulate Cortex. [NeuroCase](#) 16:1-10.
- 10] Palermo S, Leotta D, Bongioanni M, **Amanzio M**. [2014]. Unawareness of deficits in ischemic injury: Role of the Cingulate Cortex. [NeuroCase](#) 20, 540-555.
- 11] Benedetti F, **Amanzio M** [2013]. Mechanisms of the placebo response. [Pulmonary Pharmacology and Therapeutics](#) 26, 520-3.
- 12] **Amanzio M**, Benedetti F, Porro CA, Palermo S, Cauda F [2013]. Activation Likelihood Estimation meta-analysis of brain correlates of placebo analgesia in human experimental pain. [Human Brain Mapping](#) 34,738-52.
- 13] **Amanzio M**, Vase L, Leotta D, Miceli R, Palermo S, Geminiani G [2013]. Impaired awareness of deficits in Alzheimer’s disease: The role of everyday executive dysfunction. [Journal of the International Neuropsychological Society](#) 19, 63-72.

- 14] Cauda F., Torta DM, Sacco K, Geda E, D'Agata F., Costa T., Duca S., Geminiani G., **Amanzio M.** [2012]. Shared "core" areas between the pain and other task related networks. **PLoS One** 7(8):e41929.
- 15] **Amanzio M**, Benedetti F, Vase L. [2012]. A systematic review of adverse events in the placebo arm of donepezil trials: the role of cognitive impairment. **International Psychogeriatrics** 24, 698-707.
- 16] Benedetti F, **Amanzio M**, Rosato R., Blanchard C. [2011]. Non-opioid placebo analgesia is mediated by CB1 cannabinoid receptors. **Nature Medicine** 17(10), 1228-30.
- 17] **Amanzio M**, Torta DME, Sacco K, Cauda F, D'Agata F, Duca S, Leotta D, Palermo S, Geminiani G [2011]. Unawareness of deficits in Alzheimer's disease: Role of the Cingulate Cortex. **Brain** 134, 1061-1076.
- 18] Benedetti F, **Amanzio M.** [2011]. The placebo response: How words and rituals change the patient's brain. **Patients Education and Counseling** 84, 413-9.
- 19] Benedetti F, **Amanzio M**, Thoen W [2011]. Disruption of opioid-induced placebo responses by activation of cholecystokinin type-2 receptors. **Psychopharmacology** 213 (4), 791-797.
- 20] **Amanzio M** [2011]. Do we need a new procedure for the assessment of adverse events in anti-migraine clinical trials? **Recent Patents on CNS Drug Discovery**, 6, 41-47.
- 21] **Amanzio M**, Monteverdi S, Giordano A, Soliveri P, Filippi P, Geminiani G [2010]. Impaired awareness of movement disorders in Parkinson's Disease. **Brain and Cognition** 72 (3), 337-346.
- 22] **Amanzio M**, Latini Corazzini L., Vase L., Benedetti F. [2009]. A systematic review of adverse events in placebo groups of anti-migraine clinical trials. **Pain** 146 (3), 261-269.
- 23] **Amanzio M**, Geminiani G, Leotta D, Cappa S [2008]. Metaphor comprehension in Alzheimer's disease: Novelty matters. **Brain and Language** 107 (1), 1-10.
- 24] Benedetti F, **Amanzio M**, Vighetti S, Asteggiano G [2006]. The biochemical and neuroendocrine bases of the hyperalgesic nocebo effect. **J Neurosci** 26(46), 12014-12022.
- 25] Rainero I, **Amanzio M**, Vighetti S, Bergamasco B, Pinessi L, Benedetti F [2001]. Quantitative EEG responses to ischaemic arm stress in migraine. **Cephalalgia** 21, 224-229.
- 26] Pollo A, **Amanzio M**, Arslanian A, Casadio C, Maggi G, Benedetti F [2001]. Response expectancies in placebo analgesia and their clinical relevance. **Pain** 93, 77-84.
- 27] **Amanzio M**, Pollo A, Maggi G, Benedetti F [2001]. Response variability to analgesics: a role for non-specific activation of endogenous opioids. **Pain** 90, 205-215.
- 28] Benedetti F, Arduino C, **Amanzio M** [1999]. Somatotopic activation of opioid systems by target-directed expectations of analgesia. **J Neurosci** 19, 3639-3648.
- 29] **Amanzio M**, Benedetti F [1999]. Neuropharmacological dissection of placebo analgesia: expectation-activated opioid systems versus conditioning-activated specific sub-systems. **J Neurosci** 19(1), 484-494.
- 30] Benedetti F, **Amanzio M**, Baldi S, Casadio C, Maggi G [1999]. Inducing placebo respiratory depressant responses in humans via opioid receptors. **Eur J Neurosci** 11, 625-631.
- 31] Benedetti F, Vighetti S, Ricco C, **Amanzio M**, Bergamasco L, Casadio C, Cianci R, Giobbe R, Oliaro A, Bergamasco B, Maggi G [1998]. Neurophysiologic assessment of nerve impairment in posterolateral and muscle-sparing thoracotomy. **J Thorac Cardiovasc Surg** 115, 841-847.
- 32] Benedetti F, **Amanzio M**, Baldi S, Casadio C, Cavallo A, Mancuso M, Ruffini E, Oliaro A, Maggi G [1998]. The specific effects of prior opioid exposure on placebo analgesia and placebo respiratory depression. **Pain** 75, 313-319.
- 33] Benedetti F, Vighetti S, **Amanzio M**, Casadio C, Oliaro A, Bergamasco B, Maggi G [1998]. Dose response relationship of opioids in nociceptive and neuropathic postoperative pain. **Pain** 74, 205-211.
- 34] Benedetti F, **Amanzio M**, Casadio C, Filosso PL, Molinatti M, Oliaro A, Pischedda F, Maggi G [1997]. Postoperative pain and superficial abdominal reflex after posterolateral thoracotomy. **Ann Thorac Surg** 64, 207-210.
- 35] Benedetti F, **Amanzio M**, Casadio C, Oliaro A, Maggi G [1997]. Blockade of nocebo hyperalgesia by the cholecystokinin antagonist proglumide. **Pain** 71, 135-140.
- 36] Benedetti F, **Amanzio M**, Casadio C, Cavallo A, Cianci R, Giobbe R, Mancuso M, Ruffini E, Maggi G [1997]. Control of postoperative pain by transcutaneous electrical nerve stimulation after thoracic operations. **Ann Thorac Surg** 63, 773-6.
- 37] Benedetti F, **Amanzio M** [1997]. The neurobiology of placebo analgesia: from endogenous opioids to cholecystokinin. **Prog Neurobiol** 52, 109-125.

38] Benedetti F, **Amanzio M**, Maggi G [1995]. Potentiation of placebo analgesia by proglumide. **Lancet** 346, 1231.

<<Book chapters selected (international publishers)>>

-**Amanzio M.**, Benedetti F. *Placebo and pain in dementia*. In: Pain in persons with dementia. Gibson SJ., Lautenbacher S Eds. **IASP Press**, Chapter 21, in press.

-**Amanzio M.**, Palermo S [2016]. *Conceptualizing placebo as active component and adjunct in psychological treatment*. In: The Oxford Handbook of Treatment Processes and Outcomes in Counseling Psychology. Sara Maltzman Ed. **Oxford University Press, Oxford Handbooks Online**, DOI: 10.1093/oxfordhb/9780199739134.001.0001.

-**Amanzio M** [2016]. *The role of cognitive impairment in the placebo and nocebo effects*. In: Introduction to Pain and its relation to Nervous System Disorders. Battaglia A. Ed., **Wiley-Blackwell**, Section III, 373-386.

-**Amanzio M**, Palermo S, Benedetti F. [2016]. *Nocebo and Pain*. In: The Neuroscience of Pain, Stress, and Emotion. Psychological and Clinical Implications. Mustafa al'Absi, Magne Arve Flaten Eds. **Elsevier Academic Press**, Chapter 6, 117-131.

-**Amanzio M** [2015]. *Pain in Parkinson patients*. In: Pain, emotion and cognition: a complex nexus. Gisèle Pickering, Steven Gibson Eds. **Springer**, Chapter 13, 209-220.

-**Amanzio M**, Palermo S. [2014]. *Anterior Cingulate Cortex as a Monitoring Attentional System and its novel role in the unawareness of Alzheimer's disease*. In: Horizons in Neuroscience Research. Volume 13. Andres Costa and Eugenio Villalba Ed. **Nova Science Publishers**, Chapter 7, 127-138.

-Palermo S, **Amanzio M** [2012]. *Role of executive dysfunction in the unawareness of dyskinetic movements*. In: Parkinson's Disease: Diagnosis, Treatment and Prognosis. Chiyo Yoshida, Ami Ito Eds, **Nova Science Publishers**, Hauppauge, NY. Chapter 6, 147-164.

-**Amanzio M**, Torta DME [2011]. *Unawareness of movement disorders in Parkinson's Disease*. In: Movement Disorders: Causes, Diagnoses and Treatments. Barbara J. Larsen Ed, **Nova Science Publishers**, Hauppauge, NY. Chapter 6, 151-170.

-**Amanzio M**, Torta DME [2009]. *Unawareness of deficits in Alzheimer's disease through a biopsychosocial perspective*. In: Metacognition: New Research Developments. Clayton B. Larson Ed, **Nova Science Publishers**, Hauppauge, NY. Chapter 14, 240-253.

<<Entry in the Encyclopedia of Theory in Psychology>>

-**AMANZIO M**. ENTRY 'PLACEBO EFFECT', INCLUDED IN THE 'THERAPY SECTION', VOLUME 2: 727-730. ENCYCLOPEDIA OF THEORY IN PSYCHOLOGY. HAROLD L. MILLER, JR., EDITOR. **SAGE** Publications, Inc (May 24, 2016).

ISBN-10: 1452256713 - **ISBN-13:** 978-1452256719

Web references and dedicated commentaries in popular press and newspapers (selected)

- Cover image on BRAIN jn: <http://brain.oxfordjournals.org/content/134/4.cover-expansion>
- TIME: <http://www.time.com/time/printout/0,8816,1929869,00.html>
- LA REPUBBLICA: <http://ricerca.repubblica.it/repubblica/archivio/repubblica/2010/02/09/la-doppia-faccia-della-pillola-ingannatrice.html>
- SCIENTIFIC AMERICAN: <http://www.scientificamerican.com/article.cfm?id=placebo-effect-a-cure-in-the-mind>
- <http://www.xisu.net.cn/archives/2008-12-10/neural-substrates-of-metaphor/>
- <http://www.thehumanist.org/humanist/Krause.html>
- <http://www.skeptdic.com/conditioning.html>
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- <http://www.cels.uconn.edu/> In: Hogan. P. (ed.), *The Cambridge Encyclopedia of the Language Sciences*, 489-492. Cambridge, UK: Cambridge University Press. NEURAL SUBSTRATES OF METAPHOR. Rachel Giora and Argyris K. Stringaris.
- NATURE.COM: <http://www.nature.com/embor/journal/v8/n2/full/7400905.html>
- IL SOLE 24ORE: <http://www.ilsole24ore.com/art/cultura/2011-10-03/ricerca-memoria-immunitaria-farmacologica-163634.shtml?uid=Aap26f9D>

- WIRED: <http://www.wired.com/wiredscience/2011/10/cannabinoids-placebos-pain/>
- THE GUARDIAN: <http://www.guardian.co.uk/science/2012/mar/23/pavlov-placebos-side-effects-drug>
- **MENTE & CERVELLO:** http://www.lescienze.it/mente-e-cervello/2013/02/27/news/m_c_marzo_2013-1525115/ [Percezioni. Il dolore immaginato di Patricia Thivissen]
- ScienceDaily: ALTERED PAIN PROCESSING IN PATIENTS WITH COGNITIVE IMPAIRMENT: <http://www.sciencedaily.com/releases/2015/05/150529131509.htm>
- Wolters Kluwer Health: Lippincott Williams and Wilkins. "Altered pain processing in patients with cognitive impairment." ScienceDaily. ScienceDaily, 29 May 2015.
<www.sciencedaily.com/releases/2015/05/150529131509.htm>.