

Franco Cauda
Curriculum vitae
May 2015

Personal data

E-Mail: franco.cauda@unito.it

Education

2012 Specialization in Cognitive Psychotherapy
2010 PhD in Neuroscience
2010 Specialization in Sexual Therapy
2005 Master Degree in Psychology
1996 Bachelor Degree in Radiological Science

Job Experience

2014- Coordinator of the “Neuroimaging Funzionale e Sistemi Complessi Neurali” research group at Department of Psychology, University of Turin.
2012- Coordinator of the GCS-fMRI centre for Neurofunctional Research (<http://www.gcs-fmri.unito.it>)
2012- Researcher at Department of Psychology, University of Turin
2010-2012 Postdoctoral Fellow at the Department of Psychology, University of Turin.
2006-2009 PhD course in Experimental Neuroscience at the Department of Psychology, University of Turin.
2005-2006 Research Consultant at Department of Psychology, University of Turin
1998-2005 Employed as Radiology Technician at Department of Neuroradiology, University of Turin

Research interests

Cognitive aspects of Consciousness and Pain, studied using functional neuroimaging methods.

Technical skills

Technical experience

- Functional Magnetic Resonance Imaging (fMRI)
- Diffusion Tensor Imaging and Tractography (DTI)

- Computed Tomography (CT)
- Structural magnetic Resonance Imaging (MRI)
- Voxel-based metaanalytic methods

Informatics

BrainVoyager, Mricro, Mricron, Photoshop, Wavelab, Eprime, SpM (basic knowledge), Sigview, SPSS, Sleuth, GingerAle, Orange Canvas, Cytoscape, Cluster.

Languages

English

Social skills

Capability of social interaction with collaborators and students, university teaching and training of students.

Organizational skills

Organizational and Managing Capabilities developed as a Research Group Coordinator. Capability of team work based on participation in several multi-centre projects, organization of Scientific events.

Invited Talks and Lectures

- 2015 SSA Scientific Summer Academy, “Connectivity Workshop”, Cavallerizza Reale, Torino 24/05.
- 2015 Brain Awareness Week - Dana Foundation “Brain Internet and Social Networks”, Circolo dei Lettori, Torino 18/03
- 2014 NICO Seminars: “Resting state functional connectivity” Neuroscience Institute Cavalieri Ottolenghi Orbassano, 05/12
- 2014 Chirurgia del pavimento pelvico: quando, chi, come: Nuove frontiere nella diagnostica: “la RMN cerebrale funzionale nelle dissinergie del pavimento pelvico.” Torino, 22/11.
- 2014 Meet the Experts: “Brain in Pain” University of Brescia, Brescia 21/05.
- 2014 “Alterazioni cerebrali e plasticità neurale nel paziente affetto da dissinergia addomino-perineale” Aula Beato Allamano, Osp. Koelliker, Torino, Torino 30/01.
- 2014 “Neuroimmagini e connettività cerebrale: da una visione segregazionista ad un approccio connessionistico del cervello” Accademia di Medicina, Torino 10/01.
- 2014 “Ruolo delle tecniche di connettività funzionale nello studio del dolore e della patologia cerebrale” Fondazione Maugeri, Pavia 10/01.
- 2013 “Connectivity and metaanalytical methods in fMRI”, Università Bicocca, Facoltà di Psicologia, Milan 18/12.

- 2012 L'analisi scientifica della coscienza e delle sue alterazioni, temi e problemi, "La riabilitazione nel paziente con disturbi di coscienza mediante stimolazione elettrica transcranica: uno studio pilota " Napoli, 20-12
- 2012 Bonner Imaging Seminar, "Functional parcellation of the insular cortex", Bonn 26-06.
- 2012 Human Brain Mapping, "The spatiotemporal pattern of brain response during mechanical pain" Beijing 10-14.
- 2010 XX Convegno Nazionale del Gruppo Italiano per lo studio della neuromorfologia (GISN), 22-23/10, Dip. Anatomia, Farmacologia e Medicina Legale, Torino
- 2009 Neurogenomics and Neuroimaging of Developmental Disorder "Functional connectivity of the insular lobe" Dubrovnik, 02 May.
- 2006 fMRI Course: "Brain functional magnetic resonance imaging", Koelliker Hospital, 14/11, Turin.
- 2005 fMRI Workshop and Course: "fMRI: modalità di indagine e valenza clinica", 03/12, Presidio Sanitario Gradenigo, Congregazione delle Figlie della Carità di San Vincenzo de' Paoli, Turin.

Conferences and Workshops organization

- 2014 Conference "New frontiers in Functional Neuroimaging: Pain and Metaanalysis", 06/06/2014, Ospedale Koelliker, (Scientific committee, organizer).
- 2006 Workshop and Conference: "Brain functional magnetic resonance imaging", Koelliker Hospital, 14/11, Turin (Scientific committee, co-organizer).

Professional Service

Ad-Hoc Reviewer:

U.S. National Science Foundation
 New England Journal of Medicine
 Journal of Neuroscience
 Archives of General Psychiatry (JAMA)
 Biological Psychiatry
 Cerebral Cortex
 Human Brain Mapping
 Neuroimage
 Neuroimage: Clinical
 Pain
 Plos One
 Brain Structure and Function
 Psychiatry Research

Behavioral and Brain Functions
Journal of the American Academy of Child and Adolescent Psychiatry
Neuroinformatics
Brain and Cognition
Consciousness and Cognition
Università Italo-Francese
BMC Psychiatry
Comprehensive Psychiatry
Pain Medicine
Neuropsychologia
Evidence-Based Complementary and Alternative Medicine
IEEE Transactions on Robotics
Rubriq

Editorial Boards:

Human Brain Mapping

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1097-0193/homepage/EditorialBoard.html](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1097-0193/homepage/EditorialBoard.html)

Frontiers in Emotion Science

http://www.frontiersin.org/Emotion_Science/editorialboard

ISRN Radiology (International Scholarly Research Network)

<http://www.isrn.com/journals/radiology/editors/>

Dataset Paper in Science: Neuroscience (2012-2014)

Professional Associations

Member, Organization Of Human Brain Mapping (OHBM)

<http://www.humanbrainmapping.org>

Founder Member and Coordinator of Gruppo Clinico Sperimentale di Risonanza Magnetica funzionale (GCS-fMRI).

www.gcs-fmri.unito.it

Member, Centro di Imaging Molecolare (CIM)

<http://www.cim.unito.it>

Founder Member, AISCOA - Associazione Italiana per lo Studio della COscienza e delle sue Alterazioni

<http://www.aiscoa.org>

Awards

Organization for Human Brain Mapping Trainee Abstract Travel Awards 2012

Publications

Peer Reviewed Journals

Once you feel it, you see it: Insula and sensory-motor contribution to visual awareness for fearful bodies in parietal extinction.

Tamietto M, **Cauda F**, Celeghin, Diano M, Costa T, Cossa FM, Sacco K, Duca S, Geminiani G, Gelder B. (2014).

Cortex (accepted).

Multimodal fMRI Resting-State Functional Connectivity in Granulin Mutations: The Case of Fronto-Parietal Dementia.

Premi E, **Cauda F**, Gasparotti R, Diano M, Archetti S, Padovani A, Borroni B. (2014)

PLoS One. Sep 4;9(9):e106500. doi: 10.1371/journal.pone.0106500

Neural correlates of gender differences in reputation building.

Garbarini F, Boero R, D'Agata F, Bravo G, Mosso C, **Cauda F**, Duca S, Geminiani G, Sacco K.(2014)

PLoS One. Sep 2;9(9):e106285. doi: 10.1371/journal.pone.0106285

Beyond localized and distributed accounts of brain functions

Cauda F. Costa T. Tamietto M. (2014)

Physics of life review. Jun 23: S1571-0645(14)00109-2. doi:

10.1016/j.plrev.2014.06.018.

Gray matter alterations in chronic pain: A network-oriented meta-analytic approach

Cauda F. Palermo S. Costa T. Torta R. Duca S. Vercelli U. Geminiani G. Torta D.(2014)

Neuroimage: Clinical Apr 16;4:676-86. doi: 10.1016/j.nicl.2014.04.007.

Beyond the “pain matrix”, inter-run synchronization during mechanical nociceptive stimulation.

Cauda F, Costa T, Diano M, Duca S. and Torta D. (2014)

Frontiers in Human Neurosciences May 5;8:265. doi: 10.3389/fnhum.2014.00265.

Evolutionary appearance of Von Economo’s Neurons in the mammalian cerebral cortex

Cauda F, Geminiani G, Vercelli A. (2014)

Front Hum Neurosci Mar 14;8:104. doi: 10.3389/fnhum.2014.00104.

Bra.Di.P.O. and P.I.G.R.O.: innovative devices for motor learning programs

Belforte G, Eula G, Sirolli S, Bois P, Geda E, D'Agata F, Cauda F, Duca S, Zettin M, Virgilio R, Geminiani G, Sacco K. (2013) Journal Of Robotics (accepted)

Temporal and spatial neural dynamics in the perception of basic emotions from complex scenes.

Costa T, Cauda F, Crini M, Tatu MK, Celeghin A, de Gelder B, Tamietto M. (2013)

Soc Cogn Affect Neurosci. Nov;9(11):1690-703. doi: 10.1093/scan/nst164. Epub 2013 Nov 7.

Drawing lines while imagining circles: Neural basis of the bimanual coupling effect during motor execution and motor imagery.

Garbarini F, D'Agata F, Piedimonte A, Sacco K, Rabuffetti M, Tam F, Cauda F, Pia L, Geminiani G, Duca S, Graham SJ, Berti A. (2013)

Neuroimage. Nov 2;88C:100-112. doi: 10.1016/j.neuroimage.2013.10.061.

Behavioral and neuroplastic effects of low-frequency rTMS of the unaffected hemisphere in a chronic stroke patient: A concomitant TMS and fMRI study.

Salatino A, Berra E, Troni W, Sacco K, Cauda F, D'Agata F, Geminiani G, Duca S, Dimanico U, Ricci R. (2013)

Neurocase. Aug 21. 20(6):615-26. doi: 10.1080/13554794.2013.826691

Massive modulation of brain areas after mechanical pain stimulation: A time-resolved fMRI study

Cauda F, Costa T, Diano M, Sacco K, Duca S, Geminiani G, Torta D. (2013)

Cerebral Cortex, Nov;24(11):2991-3005. doi: 10.1093/cercor/bht153. Epub 2013 Jun 24.

Concordance of White matter and Grey matter abnormalities in Autism spectrum disorders A voxel-based meta-analysis study

Cauda F, Costa T, Palermo S, D'Agata F, Diano M, Bianco F, Duca S, Keller R. (2013)

Human Brain Mapping, Jul 26. 10.1002/hbm.22313

Multivariate analysis of brain metabolism reveals chemotherapy effects on prefrontal cerebellar system when related to dorsal attention network.

D'Agata F, Costa T, Caroppo P, Baudino B, **Cauda F**, Manfredi M, Geminiani G, Mortara P, Pinessi L, Castellano G, Bisi G. (2013)

EJNMMI Research (European Journal of Nuclear Medicine and Molecular Imaging) Apr 4;3(1):22. doi: 10.1186/2191-219X-3-22.

Crossing the line of pain: fMRI correlates of crossed-hands analgesia

Torta DM, Diano M, Costa T, Gallace A, Duca S, Geminiani G, **Cauda F**. (2013)

Journal of Pain Sep;14(9):957-65. doi: 10.1016/j.jpain.2013.03.009. Epub 2013 May 27.

How many clusters in the insular cortex?

Cauda F, Vercelli A. (2012)

Cerebral Cortex, Nov;23(11):2779-80.

Shared "core" areas between the pain and other task-related networks

Cauda F, Torta D, Sacco K, Geda E, D'Agata F, Costa T, Duca S, Geminiani G, Amanzio M. (2012)

Plos One 7(8):e41929. 10.1371/journal.pone.0041929.

The chemotherapy long-term effect on cognitive functions and brain metabolism in lymphoma patients .

Bruno Baudino, Federico D'Agata, Paola Caroppo, Giancarlo Castellano, Simona Cauda, Matteo Manfredi, Elisabetta Geda, Lorys Castelli, Paolo Mortara, Laura Orsi, Franco Cauda, Katiuscia Sacco, Rita Ardito, Lorenzo Pinessi, Giuliano Geminiani, Riccardo Torta, Gianni Bisi (2012)

The Quarterly Journal of Nuclear Medicine and Molecular Imaging, Dec; 56(6):559-68. Epub 2012 Nov 21. ISSN: 1824-4785

Meta-analytic clustering of the insular cortex characterizing the meta-analytic connectivity of the insula when involved in active tasks

Cauda F. Costa T. Torta D. Sacco K. D'Agata F. Duca F. Geminiani G. Fox PT. Vercelli A. (2012).

Neuroimage Aug 1;62(1):343-55. doi: 10.1016/j.neuroimage.2012.04.012. Epub 2012 Apr 14.

Virtual navigation for memory rehabilitation in a traumatic brain injured patient

Caglio M. Latini-Corazzini L. D'Agata F. **Cauda F**. Sacco K. Monteverdi S. Zettin M. Duca S Geminiani GC. (2012)

Neurocase. 18(2):123-31. doi: 10.1080/13554794.2011.568499.

Functional anatomy of cortical areas characterized by Von Economo neurons

Cauda F. Torta D. Sacco K. D'Agata. Geda E. Duca S. Geminiani G. and Vercelli A. (2011)
Brain Structure and Functions Jan; 218(1):1-20.

Neuropathic pain in post-burn hypertrophic scars: A psychophysical and neurophysiological study

Isoardo G. Stella M. Risso D. Migliaretti G. **Cauda F.** Palmitessa A. Faccani G. and Ciaramitaro P. (2011)
Muscle and Nerve Jun;45(6):883-90. doi: 10.1002/mus.23259.

A combined robotic and cognitive training for locomotor rehabilitation: Evidences of cerebral functional reorganization in two chronic traumatic brain injured patients

Sacco K, Cauda F, D'Agata F, Duca S, Zettin M, Virgilio R, Nascimbeni A, Belforte G, Eula G, Gastaldi L, Appendino S, Geminiani GC. (2011)
Frontiers in Human Neuroscience Nov 23;5:146. doi: 10.3389/fnhum.2011.00146. eCollection 2011.

Activation Likelihood Estimation meta-analysis of brain correlates of placebo analgesia in human experimental pain

Amanzio M. Benedetti F. Porro CA. Geminiani GC. Palermo S. and **Cauda F** (2011)
Human Brain Mapping, Mar;34(3):738-52. doi: 10.1002/hbm.21471. Epub 2011 Nov 29.

Grey matter abnormality in autism spectrum disorder: An activation likelihood estimation meta-analysis study

Cauda F. Geda E. Sacco K. D'Agata F. Duca S. Geminiani GC. Keller R.(2011)
The Journal of Neurology Neurosurgery and Psychiatry. Dec;82(12):1304-13. doi: 10.1136/jnnp.2010.239111. Epub 2011 Jun 21.

Different functions in the cingulate cortex, a meta-analytic connectivity modeling study

Torta DM and **Cauda F** (2011)
Neuroimage Jun 15;56(4):2157-72. doi: 10.1016/j.neuroimage.2011.03.066. Epub 2011 Apr 1.

Unawareness of deficits in Alzheimer's disease: Role of the Cingulate Cortex

Amanzio M. Torta D. Sacco K. **Cauda F.** D'Agata F. Duca S. Leotta D. Palermo S. Geminiani G (2011)
Brain. Apr;134(Pt 4):1061-76. doi: 10.1093/brain/awr020. Epub 2011 Mar 7.

Linking coordinative and executive dysfunctions to atrophy in Spinocerebellar Ataxia 2 patients

D'Agata F. Caroppo P. Boghi A. Coriasco M. Caglio M. Baudino B. Sacco K. **Cauda F.** Geda E. Bergui M. Geminiani GC. Bradac GB. Orsi L. Mortara P (2011)
Brain Structure and Functions Sep;216(3):275-88. doi: 10.1007/s00429-011-0310-4. Epub 2011 Apr 2.

Discovering the somatotopic organization of the motor areas of the medial wall using Low-frequency BOLD fluctuations

Cauda F. Geminiani G. D'Agata F. Duca S. Sacco K. (2010)

Human Brain Mapping Oct;32(10):1566-79. doi: 10.1002/hbm.21132. Epub 2010 Sep 2.

Functional connectivity of the insula in the resting brain

Cauda F. D'Agata F. Sacco K. Duca S. Geminiani G. and Vercelli A. (2010)

Neuroimage Mar 1;55(1):8-23. doi: 10.1016/j.neuroimage.2010.11.049. Epub 2010 Nov 24.

Functional connectivity and coactivation of the nucleus accumbens: a combined resting state fMRI and structure-based meta analysis study

Cauda F. Cavanna A. D'Agata F. Sacco K. Duca S. Geminiani G (2010)

Journal of Cognitive Neuroscience. Oct;23(10):2864-77. doi: 10.1162/jocn.2011.21624. Epub 2011 Jan 25.

Functional connectivity of the Posteromedial Cortex

Cauda F. Geminiani G. D'Agata F. Sacco K. Duca S. Bagshaw A. Cavanna AE.(2010)

Plos One Sep 30;5(9).

Route and survey processing of topographical memory during navigation

Latini Corazzini L. **Cauda F.** D'Agata F. Nesa MP. Ceccaldi M. Guedj E. Thinus-Blanc C. and Péruch P. (2010)

Psychological Research. Nov;74(6):545-59

Preoperative and intraoperative brain mapping for the resection of eloquent areas tumors. A prospective analysis of methodology, correlation, and usefulness based on clinical outcomes

Spena G. Nava A. Pepoli A. Bruno M. D'Agata F. **Cauda F.** Sacco K. Barletta L. Versari P.(2010)

Acta Neurochir (Wien). Nov;152(11):1835-46.

MR compatible device for active and passive foot movements

Belforte G. Eula G. Appendino S. **Cauda F.** Sacco K. (2010)

International Journal of Mechanics and Control, , Vol. 11, No.01. ISSN 1590-8844

Altered resting state attentional networks in diabetic neuropathic pain

Cauda F. D'Agata F. Sacco K. Duca S. Cocito D. Isoardo G. Paolasso I. and Geminiani G(2010)

The Journal of Neurology Neurosurgery and Psychiatry Jul;81(7):806-11

Low-Frequency BOLD Fluctuations Demonstrate Altered Thalamocortical Connectivity in Diabetic Neuropathic Pain

Cauda F. Sacco K. D'Agata F. Duca S. Cocito D. Geminiani G. Migliorati F. Isoardo G.(2009)

BMC Neuroscience. Nov 26;10:138.

Disrupted Intrinsic Functional Connectivity in the Vegetative State

Cauda F. Sacco K. Massa Micon B. D'Agata F. Canavero S. (2009)

The Journal of Neurology Neurosurgery and Psychiatry. Apr;80(4):429-31.

Reorganization and enhanced functional connectivity of motor areas in repetitive ankle movements after training in locomotor attention

Sacco K. **Cauda F.** D'Agata F. Mate D. Duca S. Geminiani G (2009)

Brain Research. Nov 10;1297:124-34.

Collicular vision guides non-conscious behavior

Tamietto M. **Cauda F.** Latini Corazzini L. Savazzi S. , Marzi CA. Goebel R., Weiskrantz L. de Gelder (2009)

Journal of Cognitive Neuroscience. May;22(5):888-902.

Altered resting state in diabetic neuropathic pain

Cauda F. Sacco K. Duca S. Cocito D. D'Agata F. Canavero S. (2009)

Plos One. 4(2):e4542.

Mental number line disruption in a right-neglect patient after a left-hemisphere stroke

Pia L, Corazzini LL, Folegatti A, Gindri P and **Cauda F** (2008)

Brain and Cognition. Feb;69(1):818.

Bifocal extradural cortical stimulation-induced recovery of consciousness in the permanent post-traumatic vegetative state

Canavero S. Massamicon B. **Cauda F.** Montanaro E. (2009)

Journal of Neurology. May;256(5):834-6.

Motor imagery of walking following training in locomotor attention. The effect of "the tango lesson"

Sacco K, **Cauda F.** Cerliani L, Mate D, Duca S, Geminiani GC. (2006)

NeuroImage. Sep;32(3):1441-9.

Book chapters

Resting state brain activity in chronic pain

Torta DM, **Cauda F.** Napadow V, Baliki M (2014)

In: Apkarian V. The brain adapting with pain: Contribution of neuroimaging technology to pain mechanisms.

IASP Press; International Association for the Study of Pain 1510 H Street NW, Suite 600
Washington, DC 20005-1020 USA

Anatomical and functional Lateralization of the insular cortex

Cauda F. Geminiani G. Vercelli A. (2014)

In: Uddin LQ. *Insula: Neuroanatomy, Functions and Clinical Disorders.*

400 Oser Ave. Suite 1600, Hauppauge NY: Nova Science Publishers, Inc.

https://www.novapublishers.com/catalog/product_info.php?products_id=8908

Metodiche radiografiche

Bisi G. Castellano G. **Cauda F.** D'Agata F. Ricci R. Sacco K. Torta D. (2012)

In: Sacco K. *Le Neuroimmagini. Nuove frontiere per lo studio del cervello umano in vivo.* (pp. 63-72) Idelson-Gnocchi, Napoli

Considerazioni conclusive

Sacco K. **Cauda F.** (2012)

In: Sacco K. *Le Neuroimmagini. Nuove frontiere per lo studio del cervello umano in vivo.* (pp. 269-271) Idelson-Gnocchi, Napoli

Multimodal approach to the surgical removal of gliomas in eloquent brain regions.

Spena G, Pepoli A, Bruno M, D'Agata F, **Cauda F.**, Sacco K, Duca S and Versari P. (2011).

In Clark C. Chen, M.D., Ph.D. (Ed.), *Advances in the Biology, Imaging and Therapies for Glioblastoma.* (pp. 339-362). ISBN 978-953-307-284-5 InTech, Inc. www.intechopen.com

Extradural bifocal cortical stimulation for the post-traumatic permanent vegetative state

Canavero S, Massa-Micon B and **Cauda F.** (2009).

In S. Canavero (Ed.), *Textbook of therapeutic cortical stimulation*

(pp. 275-286). 400 Oser Ave. Suite 1600, Hauppauge NY: Nova Science Publishers, Inc.

https://www.novapublishers.com/catalog/product_info.php?products_id=8908

Motor attention in procedural learning: behavioral and cerebral changes.

Geda E. D'agata F., Geminiani G. **Cauda F.**, Duca S. Zettin M. Virgilio R. Belforte G. Eula G. Sirolli S. Appendino S. Sacco K. (2011).

In: F. Rubinacci, A. Rega, N. Lettieri. *Le Scienze Cognitive in Italia 2011, AICS'11.* p. 111-115, Napoli: Università degli studi Federico II, ISBN: 9788890453946

Preprint Repositories

Chemotherapy effects on brain glucose metabolism at rest

D'Agata F. Baudino B. Caroppo P. Castelli L. **Cauda F.** Cauda S. Gallone S. Geda E. Parente A. Passera R. Sacco K. Torta R. Geminiani G. Castellano G. (2011)

Nature Precedings. Feb 11. hdl:10101/npre.2011.5637.1

Node detection using high-dimensional fuzzy parcellation applied to the insular cortex.

Vercelli U, Diano M, Costa T, Duca S, Geminiani G, Vercelli A, **Cauda F.** (2014).

BioRxiv, 11-29 doi: <http://dx.doi.org/10.1101/011999>

Conference Proceedings published in international peer-reviewed journals

Mapping Pleasure Pathways: The Functional Connectivity of the Nucleus Accumbens

Cavanna A.E, **Cauda F**, D'Agata F, Sacco K, Duca S, Geminiani G (2011)

***Journal of Neuropsychiatry and Clinical Neurosciences*, Volume: 23 Issue: 2 Pages: 30-31**

Functional connectivity and coactivation of the nucleus accumbens: a combined functional connectivity and structure-based meta-analysis

Cauda F, Cavanna A.E, D'Agata F, Sacco K, Duca S, Geminiani G (2010)

The Neuroradiology Journal (Supp) (In press)

Chemotherapy effects on brain glucose metabolism at rest

D'Agata F. Baudino B. Caroppo P. Castelli L. **Cauda F.** Cauda S. Gallone S. Geda E. Parente A. Passera R. Sacco K. Torta R. Geminiani G. Castellano G.

European Journal of Nuclear Medicine and Molecular Imaging. 2011 Feb 11. Volume: 37
Supplement: 2 Pages: S237-S237

Functional connectivity of the Posteromedial Cortex

Cavanna AE. Geminiani G. D'Agata F. Sacco K. Duca S. Bagshaw A. and **Cauda F.** (2010)

23rd Annual General Meeting of The British Neuropsychiatry Association. London, 11/12 February. *The Journal of Neurology Neurosurgery and Psychiatry*, Volume: 81 Issue: 10 Pages: E9-E9 DOI: 10.1136/jnnp.2010.217554.22

MR compatible device for active and passive foot movements

Belforte G. Eula G. Appendino S. **Cauda F.** Sacco K.

International Journal of Mechanics and Control, 2010, Vol. 11, No.0. ISSN 1590-8844

Video game play changes spatial and verbal memory: Rehabilitation of a single case with traumatic brain injury

Caglio M. Latini-Corazzini L. D'Agata, F. **Cauda F.** Sacco K. Monteverdi S. Zettin, M. Duca, S. Geminiani G. *Cognitive Processing*, 2009 10 (SUPPL. 2), pp. S195-S197.

Collicular vision guides non-conscious behavior

Tamietto M. **Cauda F.** Latini Corazzini L. Savazzi S. Marzi CA. Goebel R. Weiskrantz L. & de Gelder B. (2008)

Journal of Vision, 8(6):67, 67a, doi: 10.1167/8.6.67

Robot gait rehabilitation after traumatic brain injury: a pilot study with functional MRI assessment

Nascimbeni A, Zettin M, Virgilio R, Duca S, **Cauda F**, Sacco K, Belforte G (2008)
Parkinsonism & Related Disorders (vol. 14, s64-s65).

The role of resting state fMRI in Persistent Vegetative State treated with cerebral cortical stimulation

Massa Micon B. **Cauda F**. Sacco K. Montanaro E. D'Agata F. Duca S. Geminiani GC. Melcarne A. and Canavero S. (2008)
13th Annual Meeting of the Organization for Human Brain Mapping. Melbourne, June 11-15.
Neuroimage (41/2008 S1)

Conscious but not nonconscious perception of social emotions alters the “default mode” brain activity

Cauda F. Sacco K. Duca S. D'Agata F. Massa Micon B. Geminiani GC. and Tamietto M. (2008)
13th Annual Meeting of the Organization for Human Brain Mapping. Melbourne, June 11-15.
Neuroimage (41/2008 S1)

The effects of combined physical and mental practice on locomotor cerebral areas: An fMRI study with the ankle dorsiflexion paradigm.

Cauda F., Sacco K., Cerliani L., Mate D., Duca S., Geminiani G.C. (2006)
12th Annual Meeting of the Organization for Human Brain Mapping. Florence, June 11-15.
Neuroimage (30/2006 S1)

Selected conference proceedings

A Multivoxel Pattern Analysis (MVPA) to define Neuroimaging Markers in Granulin disease.

Premi E, Cauda F, Costa T, Diano M, Gazzina S, Gualeni V, Archetti S, Gasparotti R, Padovani A, Borroni B(2014). 9th International Conference on frontotemporal Demantias (ICFTD). Vancouver, October 23-25.

Multimodal fMRI resting-state functional connectivity in Granulin mutations: the case of fronto-parietal dementia

Diano M, Premi E, Cauda F, Gasparotti R, Padovani A, Borroni B. (2014)
2nd Winter Seminar on Dementia. Bressanone, January 22-24.

Training di gruppo pragmatico funzionale con pazienti afasici: uno studio di Risonanza magnetica funzionale in resting state

Cauda F. Diano M. Giachero A. Calati M. Rugiero C. Tirassa M. Costa T. Duca S. Geminiani G. Molo M. (2013)

Simposio Nazionale Riabilitare la comunicazione. Tecniche e Tecnologie applicate. Turin, 29 – 30 November.

Structural and Functional Interhemispheric Asymmetry in Granulin related Frontotemporal Dementia.

Enrico Premi, **Franco Cauda**, Stefano Gazzina, Silvana Archetti, Roberto Gasparotti, Alessandro Padovani, Barbara Borroni.(2013)

Nuovi orizzonti in Neurologia; Milano, 27-28 giugno.

Are the White matter and Grey matter abnormalities found in Autism spectrum disorders concordant? A voxel-based meta-analysis study

Franco Cauda, Tommaso Costa, Sara Palermo, Matteo Diano, Francesca Bianco, Sergio Duca, Giuliano Geminiani, Roberto Keller (2013)

19th Annual Meeting of the Organization for Human Brain Mapping, Seattle

Concordance of White Matter and GREY Matter Abnormalities in Autism Spectrum Disorders

Franco Cauda, Tommaso Costa, Sara Palermo, Federico D'Agata, Matteo Diano, Francesca Bianco, Sergio Duca, Roberto Keller (2013)

IMFAR 2013 (International meeting of Society for Autism Research) Donostia, ES.

Limiti e indicazioni alla terapia farmacologica nei disturbi comportamentali dello spettro autistico in età adulta

R. Keller R, A. Aresi, S. Bari, F. Bianco, L. Notaro, E. Pirfo, F. Cauda, G. Geminiani G.

47° Congresso della Società Italiana di Psichiatria Napoli

Metaanalytic clustering of the insular cortex

Cauda F, Costa T, Torta D, Sacco K, D'Agata F, Duca S, Geminiani G, Fox P., Alessandro Vercelli A. (2012)

18th Annual Meeting of the Organization for Human Brain Mapping. Beijing, June 10-14.

Parcellation of the cingulate cortex when involved in active tasks: a meta-analytic clustering study

Torta D, Costa T, Geminiani G, Fox P, **Cauda F**. (2012)

18th Annual Meeting of the Organization for Human Brain Mapping. Beijing, June 10-14.

The spatiotemporal pattern of brain responses during mechanical pain

Cauda F, Costa T, Diano M, D'Agata F, Sacco K, Massa Micon B, Duca S, Geminiani G, Torta D.

18th Annual Meeting of the Organization for Human Brain Mapping. Beijing, June 10-14.

Now it's crossed now it's not: investigating the neural basis of the crossed hands analgesia

Diana Torta, Matteo Diano, Tommaso Costa, Giuliano Geminiani, Sergio Duca, **Franco Cauda** (2012)

18th Annual Meeting of the Organization for Human Brain Mapping. Beijing, June 10-14.

Once you feel it you see it. Neural bases of conscious and non-conscious perception of fearful bodily expressions in hemispatial neglect

Tamietto M. **Cauda F**. Sacco K. Cossa F. Duca S. Geminiani G. & de Gelder B. (2012).

Alpine Brain Imaging Meeting. Chambery, January 8-12.

"A Core System" in Central Pain Processing

Cauda F. Sacco K. Geda E. D'Agata F. Torta D. Duca S. Geminiani GC. Amanzio M. (2011)

17th Annual Meeting of the Organization for Human Brain Mapping. Quebec City, June 26-30.

Functional connectivity of the insula in the resting brain

Cauda F. D'Agata F. Sacco K. Duca S. Geminiani GC. and Vercelli A. (2010)

16th Annual Meeting of the Organization for Human Brain Mapping. Barcelona, June 6-10.

Different functions in the cingulate cortex, a meta-analytic connectivity modeling study

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The neural basis of Distress Thermometer in cancer survivors: a FDG-PET study in the Resting State

D'Agata F. Baudino B. Caroppo P. Castelli L. **Cauda F**. Cauda S. Gallone S. Geda E. Parente A. Passera R. Sacco K. Torta R. Geminiani G. Castellano G. (2010)

16th Annual Meeting of the Organization for Human Brain Mapping. Barcelona, June 6-10.

DTI fiber-tracking for the study of unilateral neglect in patients with brain tumors

Spena G, D'Agata F, Sacco K, **Cauda F**, Duca S, Versari P, Geminiani G. (2010)
16th Annual Meeting of the Organization for Human Brain Mapping. Barcelona, June 6-10.

Two innovative mechatronic devices useful for motor learning

Belforte G, Eula G, Appendino S, Sirolli S, Geminiani G, **Cauda F**, Sacco K, Duca S, Zettin M, Virgilio R. (2010)
Primo Congresso Nazionale del Coordinamento della Meccanica Italiana. Palermo June 20-22.

New pneumatic orthosis applied to rehabilitation and motor learning

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Secondo Congresso Nazionale di Bioingegneria, Torino July 8-10.

Functional connectivity of the insular lobe

Cauda F, Sacco K, D'Agata F, Duca S, Geminiani G and Vercelli A. (2009)
Neurogenomics and Neuroimaging of Developmental Disorder. Dubrovnik, 30 April - 05 May.

Video game play changes spatial and verbal memory: rehabilitation of a single case with traumatic brain injury

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4th International Conference on Spatial Cognition: "Spatial Cognition and Action" Rome, September 14-18.

The use of video games for cognitive and virtual rehabilitation: a single case with traumatic brain injury

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International Symposium on Neurorehabilitation. From Basic to Future" Valencia, October 15-16.

Correlation analysis between Resting State glucose brain metabolism, personality and attachment traits

Ardito R, Baudino B, D'Agata F, Caroppo P, **Cauda F**, Sacco K, Orsi L, Gallone S, Mortara P, Geminiani G, Torta R, Bisi G, Castellano G (2009)
ICPM 2009 World Conference. Turin, September 23-26.

The optimization of a multiple domain protocol in the study of Normal Pressure Hydrocephalus in the view of creating a multicentre regional network

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XL Congresso della Società Italiana di Neurologia. Padova, Novembre 21 - 25.

MR Compatible Device for Active and Passive Foot Movements.

Belforte G. Eula G. Quaglia G. Appendino S. **Cauda F.** Sacco K (2009)
RAAD 2009 18th International Workshop on Robotics in Alpe-Adria-Danube Region. Brasov, Romania May 25-27.

Awake Brain Surgery: esperienza piemontese

Spena G. Berardino M. Bradac GB. Bruno M. Caglio M. Caroppo P. Cassini F. **Cauda F.** Coriasco M. D'Agata F. Duca S. Garbossa D. Geminiani GC. Montalenti E. Mogno M. Morrone O. Mortara P. Pepoli A. Sacco K. Tartara F. Versari P. Ducati A. (2009)
Simposio della Società Italiana di Neurologia Cuneo, November 07.

Riorganizzazione cerebrale di circuiti sensorimotori in seguito a training fisico e cognitivo per la riabilitazione del cammino

Sacco K, D'Agata F, **Cauda F.**, Zettin M, Virgilio R, Nascimbeni A, Belforte G, Eula G, Gastaldi L, Appendino S, Geminiani G, Duca S (2009)
XV Congresso Nazionale AIP, Sezione Psicologia Sperimentale. Chieti, September 24-26.

Ruolo del fascicolo frontooccipitale inferiore (IFOF) nel network semantico: correlazione anatomo-funzionale mediante DTI fiber-tracking e stimolazione elettrica diretta

Spena G, D'Agata F, Cauda F, Duca S, Sacco K, Geminiani GC, Versari P. (2009)
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Collicular vision guides non-conscious behavior

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Marie Curie School in Neuroscience «Large-Scale Interactions in Brain Networks and their Breakdown in Brain Disease». Santo Stefano di Sessanio, March 26-31.

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Neural fate of conscious and nonconscious perception of fearful body language in hemispatial neglect

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Realtà virtuale per la riabilitazione della memoria spaziale: uno studio comportamentale e di risonanza magnetica funzionale

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Simposio della Società Italiana di Neurologia Turin, December 14-15.

Neural correlates of locomotor imagery within an embodied cognition perspective

Mate D. **Cauda F.** Cerliani L. Sacco K. Duca S. Geminiani G. (2006).

The Second Biennial Conference on Cognitive Science. St. Petersburg, June 9-13

Riorganizzazione funzionale di aree cerebrali motorie in una paziente paretica

Sacco K. Zettin M. **Cauda F.** Duca S. Nascimbeni A. Belforte G. (2006).

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