

**Franco Cauda**  
*Curriculum vitae*  
May 2014

**Personal data**

E-Mail: [franco.cauda@unito.it](mailto: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 Diploma Radiology Technician

**Job Experience**

2014- Coordinator of the “Neuroimaging Funzionale e Sistemi Complessi Neurali” research group at Department of Psychology, University of Turin.  
([http://www.unito.it/unitoWAR/page/dipartimenti8/D008/D008\\_Gruppi\\_Ricerca2?path=/BEA%20Repository/4960017](http://www.unito.it/unitoWAR/page/dipartimenti8/D008/D008_Gruppi_Ricerca2?path=/BEA%20Repository/4960017))  
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

Capability of team work based on participation in several multi-center projects, organization of Scientific events.

## **Teaching experience**

- 2013- Psychophysiology course Faculty of Psychology, University of Turin.
- 2012-2013 Neuropsychology course Faculty of Psychology, University of Turin.
- 2011-2012 Course in basic and advanced fMRI, Graduate School in Neuroscience, University of Turin.
- Domain Expert (Cultore della materia) in General Psychology (M-PSI/01) at University of Turin.
- 2006- Lessons at Faculty of Psychology about functional neuroimaging, University of Turin.
- 2000-2003 Several lessons and courses about medical image processing, Various locations.
- 1999-2003 Courses in basic and advanced data analysis for neuroimaging, Undergraduate School in Radiological Sciences, Ospedale Molinette, Turin.

### Invited Talks and Lectures

- 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 “Nuove frontiere del neuroimaging funzionale: dolore e metaanalisi”, 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  
 JAMA Psychiatry  
 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  
BMC Psychiatry  
Pain Medicine  
Neuropsychologia  
IEEE Transactions on Robotics  
Università Italo-Francese

*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](http://www.frontiersin.org/Emotion_Science/editorialboard)

ISRN Radiology (International Scholarly Research Network)

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

*Research support and funding*

Co-Founder and Vice President (2012-2013). Associazione Brain Imaging Group.

Co-Founder, Associazione Brain InSight (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](http://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>

### Technology Transfer

Collaboration with the Department of Mechanical and Aerospace Engineering – Politecnico di Torino for the development of mechatronics devices for robotic neuro-treatments.

## **Collaborations e CoAuthorship**

- **BrainMap Organization** (University of Texas; <http://www.brainmap.org/collaborations.html>)
- **Andrew Bagshaw**; School of Psychology, University of Birmingham, UK.
- **Andrea Eugenio Cavanna**; Michael Trimble Neuropsychiatry Research Group, University of Birmingham and BSMHFT, Birmingham. Sobell Department of Motor Neuroscience and Movement Disorders, Institute of Neurology and University College London, UK.
- **Peter T. Fox**; Director of Research Imaging Institute Malcolm Jones Professor and Vice Chair for Research and Research Education, Department of Radiology Professor, Departments of Neurology, Psychiatry, and Physiology University of Texas Health Science Center at San Antonio, USA.
- **Patrick Péruch**; Centre de Recherche en Neurosciences Cognitives CNRS, Cedex, FR.
- **Alessandro Vercelli**; Neuroscience Institute of the Cavalieri Ottolenghi Foundation, Orbassano, IT
- **Lucina Q. Uddin**; Psychiatry and Behavioral Science, Stanford School of Medicine.
- **A. Vania Apkarian**; Professor of Physiology, Surgery, Anesthesia, Cognitive Brain Mapping Group & Neuroscience Institute. Northwestern University Medical School Chicago, Illinois
- **Rainer Goebel**; Department of Cognitive Neuroscience Faculty of Psychology and Neuroscience, Maastricht University, 6200 MD Maastricht, The Netherlands

## Awards

Organization for Human Brain Mapping Trainee Abstract Travel Awards 2012

## Publications

### Peer Reviewed Journals

#### ***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. 2014 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. 2014 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 (Accepted)

#### ***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 (Accepted)

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

Cauda F. Geminiani G. Vercelli A. (2014)  
Front Hum Neurosci (In Press) 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 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.

**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.

**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, Jun 14.

**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)

**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

**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*, vol. -, 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](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

***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](http://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](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 Repository*

***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](https://doi.org/10.10101/npre.2011.5637.1)

*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)

13<sup>th</sup> 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)

13<sup>th</sup> 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)

12<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping. Florence, June 11-15. *Neuroimage* (30/2006 S1)

*Selected conference proceedings*

***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)

2<sup>nd</sup> 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)

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***Structural and Functional Interhemispheric Asymmetry in Granulin related Frontotemporal Dementia.***

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**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)

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***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)

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

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***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)

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***The spatiotemporal pattern of brain responses during mechanical pain***

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***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)

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

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***"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)

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***Functional connectivity of the insula in the resting brain***

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

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

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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)

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

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***Two innovative mechatronic devices useful for motor learning***

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***New pneumatic orthosis applied to rehabilitation and motor learning***

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

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***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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***Awake Brain Surgery: esperienza piemontese***

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

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

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***Collicular vision guides non-conscious behavior***

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***Riorganizzazione funzionale di aree cerebrali motorie in una paziente paretica***

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