

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name **CARMELO CHISARI**
E-mail **carmelo.chisari@unipi.it**

Nationality Italian

WORK EXPERIENCE

Dates (from-to) September 2021/present
Name and Address of Employer University of Pisa
Type of business or sector Physical and Rehabilitation Medicine
Occupation or position held Chair of Laurea degree course in Physiotherapy

Dates (from-to) January 2020/present
Name and Address of Employer University of Pisa
Type of business or sector Physical and Rehabilitation Medicine
Occupation or position held Chair of Residency program in Physical Medicine and Rehabilitation

- Dates (from – to) September 2018/present
- Name and address of employer University of Pisa
 - Type of business or sector Physical and Rehabilitation Medicine
 - Occupation or position held Associate Professor
- Main activities and responsibilities

WORK EXPERIENCE

- Dates (from – to) Nov 2017/present
- Name and address of employer Unit of Neurorehabilitation - University Hospital of Pisa
 - Type of business or sector Neurorehabilitation
 - Occupation or position held Director
- Main activities and responsibilities

WORK EXPERIENCE

- Dates (from – to) 2003/2018
- Name and address of employer University of Pisa
 - Type of business or sector Physical and Rehabilitation Medicine
 - Occupation or position held Adjunct Professor in Neurorehabilitation
- Main activities and responsibilities

WORK EXPERIENCE

- Dates (from – to) 08/02/2008-31/10/2017
- Name and address of employer University Hospital of Pisa
 - Type of business or sector Unit of Neurorehabilitation
 - Occupation or position held Full time Employed
- Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from – to) 1999-2001
- Name and type of organisation providing education and training University of Pisa – Dept. Neuroscience
- Principal subjects/occupational skills covered Neurorehabilitation
- Title of qualification awarded Post-doc Neurorehabilitation and Neurophysiology

EDUCATION AND TRAINING

- Dates (from – to) 1997-1999
- Name and type of organisation providing education and training Dept. Neuroscience – University of Pisa
- Principal subjects/occupational skills covered Neurorehabilitation
- Title of qualification awarded Research Fellowship Telethon (Neurophysiology) Neurorehabilitation

EDUCATION AND TRAINING

- Dates (from – to) 1993-1997
- Name and type of organisation providing education and training University of Pisa
- Principal subjects/occupational skills covered Neurology
- Title of qualification awarded Residency (Neurology)

EDUCATION AND TRAINING

- Dates (from – to) 1992
- Name and type of organisation providing education and training University of Padova
- Principal subjects/occupational skills covered
- Title of qualification awarded Laurea Degree in Medicine

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

- Reading skills English Good
- Writing skills Good
- Verbal skills Good

**SOCIAL SKILLS
AND COMPETENCES**

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

July-September 2009 Motion Analysis Laboratory - Spaulding Rehabilitation Hospital - Harvard Medical School - Boston (USA).

July-September 2012 National Institute of Neurological Disorders and Stroke - Section of Human Cortical Physiology and Stroke Neurorehabilitation - NIH - Bethesda (USA)

**ORGANISATIONAL SKILLS
AND COMPETENCES**

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

Organization of conference
2003 Chairman at Day Seminar on "Approach to neuromuscular disorders", Siracusa - Italy
2004 Chairman at symposium of "Clinical Neurophysiology". Siracusa - Italy
2010 Chairman at Workshop "Stroke Rehabilitation Today". Pisa - Italy
2013 Chairman at XIV National Congress of Italian Society of Motion Analysis in Clinic (SIAMOC), Pisa
2017 Chairman XVII National Congress of Italian Society of Neurological Rehabilitation

**TECHNICAL SKILLS
AND COMPETENCES**

With computers, specific kinds of equipment, machinery, etc.

EMG, EEG, Evoked Potential, Movement Analysis Laboratory, Neurorehabilitation

**OTHER SKILLS
AND COMPETENCES**

Competences not mentioned above.

Research activity

He is interested in the mechanisms underlying plastic changes in the human central and peripheral nervous system and in the development of novel therapeutic approaches for recovery of function based on the understanding of these mechanisms.

DRIVING LICENCE(S)

ADDITIONAL INFORMATION

Referee ad hoc for:

- a) Experimental brain research
- b) Journal of Neuroengineering and Rehabilitation
- c) Transactions on Biomedical Engineering
- d) Disability and Health Journal
- e) Arthritis Research and Therapy
- f) Medical Journals
- g) Brain Topography
- h) Neurorehabilitation and Neural Repair
- i) European Journal of Physical and Rehabilitation Medicine
- l) PlosOne
- m) Frontiers in Human Neuroscience
- n) Neuroscience
- o) Neurological Sciences
- p) Restorative Neurology and Neuroscience
- q) Neural Plasticity
- r) Archives of Physical and Rehabilitation Medicine
- s) Journal of Neurological Sciences

ANNEXES

MAIN PUBLICATIONS - HONOURS AND AWARDS - FUNDED RESEARCH

Main Publications

1. Lassi, M., Dalise, S., Bandini, A., Spina, V., Azzollini, V., Vissani, M., Micera, S., Mazzoni, A., **Chisari, C.** Neurophysiological underpinnings of an intensive protocol for upper limb motor recovery in subacute and chronic stroke patients (2024) **European Journal of Physical and Rehabilitation Medicine**, 60 (1), pp. 13-26.

2. Artoni, F., Cometa, A., Dalise, S., Azzollini, V., Micera, S., **Chisari, C.**
Cortico-muscular connectivity is modulated by passive and active Lokomat-assisted Gait (2023) **Scientific Reports**, 13 (1), art. no. 21618, .
3. Doro, E., Azzollini, V., Ghilli, M., Roncella, M., **Chisari, C.**
Postural alterations in breast cancer survivors: proposal of the PABS evaluation protocol based on a systematic review (2023) **European Journal of Physical and Rehabilitation Medicine**, 59 (3), pp. 406-413.
4. Trompetto, C., Marinelli, L., Mori, L., Bragazzi, N., Maggi, G., Cotellessa, F., Puce, L., Vestito, L., Molteni, F., Gasperini, G., Farina, N., Bissolotti, L., Sciarrini, F., Millevolte, M., Balestrieri, F., Restivo, D.A., **Chisari, C.**, Santamato, A., Del Felice, A., Manganotti, P., Serrati, C., Currà, A. Increasing the Passive Range of Joint Motion in Stroke Patients Using Botulinum Toxin: The Role of Pain Relief (2023) **Toxins**, 15 (5), art. no. 335, .
5. Gasperini, G., Rota, M., Guanziroli, E., Bissolotti, L., Balestrieri, F., **Chisari, C.**, Currà, A., Del Felice, A., Farina, N., Manganotti, P., Millevolte, M., Restivo, D.A., Santamato, A., Sciarrini, F., Specchia, A., Trompetto, C., Calza, S., Molteni, F. Development and Rasch Validation of an Observational Assessment Tool of Upper Limb Functional Impairment in Stroke Survivors: Functional Assessment Test for Upper Limb (2023) **Archives of Physical Medicine and Rehabilitation**, 104 (4), pp. 597-604.
6. Lassi, M., Bandini, A., Spina, V., Azzollini, V., Dalise, S., Mazzoni, A., **Chisari, C.**, Micera, S.
Classification of upper limb impairment in acute stroke patients using resting-state EEG markers and machine learning (2023) **International IEEE/EMBS Conference on Neural Engineering**, NER, 2023-April, .
7. Baricich, A., Battaglia, M., Cuneo, D., Cosenza, L., Millevolte, M., Cosma, M., Filippetti, M., Dalise, S., Azzollini, V., **Chisari, C.**, Spina, S., Cinone, N., Scotti, L., Invernizzi, M., Paolucci, S., Picelli, A., Santamato, A.
Clinical efficacy of botulinum toxin type A in patients with traumatic brain injury, spinal cord injury, or multiple sclerosis: An observational longitudinal study (2023) **Frontiers in Neurology**, 14, art. no. 1133390, .
8. Carozzo, S., **Chisari, C.**, Iosa, M.
Editorial: Use of computerized gait analysis in neurological pathologies (2022) **Frontiers in Human Neuroscience**, 16, art. no. 1078539, .
9. Tramonti, C., Iacopi, E., Cafalli, M., Riitano, N., Piaggese, A., **Chisari, C.**
Type 2 diabetes mellitus and obesity: The synergistic effects on human locomotor function (2022) **Clinical Biomechanics**, 100, art. no. 105759, .
10. Frisoli A, Barsotti M, Sotgiu E, Lamola G, Procopio C, **Chisari C.** A randomized clinical control study on the efficacy of three-dimensional upper limb robotic exoskeleton training in chronic stroke. **J Neuroeng Rehabil.** 2022 Feb 4;19(1):14
11. Azzollini V, Dalise S, **Chisari C.** How Does Stroke Affect Skeletal Muscle? State of the Art and Rehabilitation Perspective. **Front Neurol.** 2021 Dec 23;12:797559.
12. Calabrò RS, Morone G, Naro A, Gandolfi M, Liotti V, D'aurizio C, Straudi S, Focacci A, Pournajaf S, Aprile I, Filoni S, Zanetti C, Leo MR, Tedesco L, Spina V, **Chisari C**, Taveggia G, Mazzoleni S, Smania N, Paolucci S, Franceschini M, Bonaiuti D. Robot-Assisted Training for Upper Limb in Stroke (ROBOTAS): An Observational, Multicenter Study to Identify Determinants of Efficacy. **J Clin Med.** 2021 Nov 11;10(22):5245.
13. Calabrò RS, Cassio A, Mazzoli D, Andrenelli E, Bizzarini E, Campanini I, Carmignano SM, Cerulli S, **Chisari C**, Colombo V, Dalise S, Fundarò C, Gazzotti V, Mazzoleni D, Mazzucchelli M, Melegari C, Merlo A, Stampacchia G, Boldrini P, Mazzoleni S, Posteraro F, Benanti P, Castelli E, Draicchio F, Falabella V, Galeri S, Gimigliano F, Grigioni M, Mazzon S, Molteni F, Petrarca M, Picelli A, Senatore M, Turchetti G, Morone G, Bonaiuti D; Italian Consensus Conference on Robotics in Neurorehabilitation (CICERONE). What does evidence tell us about the use of gait robotic devices in patients with multiple sclerosis? A comprehensive systematic review on functional outcomes and clinical recommendations. **Eur J Phys Rehabil Med.** 2021 Oct;57(5):841-849.
14. Fanciullacci C, Panarese A, Spina V, Lassi M, Mazzoni A, Artoni F, Micera S, **Chisari C.** Connectivity Measures Differentiate Cortical and Subcortical Sub-Acute Ischemic Stroke Patients. **Front Hum Neurosci.** 2021 Jul 1;15:669915.
15. Calabrò RS, Sorrentino G, Cassio A, Mazzoli D, Andrenelli E, Bizzarini E, Campanini I, Carmignano SM, Cerulli S, **Chisari C**, Colombo V, Dalise S, Fundarò C, Gazzotti V, Mazzoleni D, Mazzucchelli M, Melegari C, Merlo A, Stampacchia G, Boldrini P, Mazzoleni S, Posteraro F, Benanti P, Castelli E, Draicchio F, Falabella V, Galeri S, Gimigliano F, Grigioni M, Mazzon S, Molteni F, Morone G, Petrarca M, Picelli A, Senatore M, Turchetti G, Bonaiuti D;

Italian Consensus Conference on Robotics in Neurorehabilitation (CICERONE). Robotic-assisted gait rehabilitation following stroke: a systematic review of current guidelines and practical clinical recommendations. **Eur J Phys Rehabil Med.** 2021 Jun;57(3):460-471

16. Tramonti C, Di Martino S, Foglia A, **Chisari C**. Perceived fatigue, lower limb muscle force and performance fatigability after a rehabilitation program in Multiple Sclerosis. **Eur J Transl Myol.** 2020 Nov 17;30(4):9353
17. Dalise S, Azzollini V, **Chisari C**. Brain and Muscle: How Central Nervous System Disorders Can Modify the Skeletal Muscle. **Diagnostics** (Basel). 2020 Dec 4;10(12):1047.
18. Tortora S, Tonin L, **Chisari C**, Micera S, Menegatti E, Artoni F. Hybrid Human-Machine Interface for Gait Decoding Through Bayesian Fusion of EEG and EMG Classifiers. *Front Neurobot.* 2020 Nov 17;14:582728.
19. Pierella C, Pironcini E, Kinany N, Coscia M, Giang C, Miehlbradt J, Magnin C, Nicolo P, Dalise S, Sgherri G, **Chisari C**, Van De Ville D, Guggisberg A, Micera S. A multimodal approach to capture post-stroke temporal dynamics of recovery. **J Neural Eng.** 2020 Jul 10;17(4):045002.
20. Tramonti C, Di Martino S, **Chisari C**. An intensive task-oriented circuit training positively impacts gait biomechanics in MS patients. *NeuroRehabilitation.* 2020;46(3):321-331. Spina, V., Chisari, C., Santarcangelo, E.L. High Motor Cortex Excitability in Highly Hypnotizable Individuals: A Favourable Factor for Neuroplasticity? (2020) **Neuroscience**, 430, pp. 125-130.

Micera, S., Caleo, M., Chisari, C., Hummel, F.C., Pedrocchi, A. Advanced Neurotechnologies for the Restoration of Motor Function (2020) **Neuron**, 105 (4), pp. 604-620.
21. Tramonti, F., Bonfiglio, L., Bongioanni, P., Belviso, C., Fanciullacci, C., Rossi, B., **Chisari, C.**, Carboncini, M.C. Caregiver burden and family functioning in different neurological diseases (2019) **Psychology, Health and Medicine**, 24 (1), pp. 27-34.
22. Sgherri, G., Avola, M., Beani, E., **Chisari, C.**, Cioni, G., Sgandurra, G. Methods to assess usability and acceptability of technologies for home-based rehabilitation a systematic review (2019) **International Journal on Emerging Technologies**, 10 (4), pp. 434-443.
23. Tramonti C, Imperatori LS, Fanciullacci C, Lamola G, Lettieri G, Bernardi G, Cecchetti L, Ricciardi E, **Chisari C**. Predictive value of EEG connectivity measures for motor training outcome in multiple sclerosis: an observational longitudinal study. **Eur J Phys Rehabil Med.** (I.F. 2,208) 55 (6), 743-753 Dec 2019
24. Iolascon, G., Vitacca, M., Carraro, E., **Chisari, C.**, Fiore, P., Messina, S., Mongini, T., Moretti, A., Sansone, V.A., Toscano, A., Siciliano, G. Adapted physical activity and therapeutic exercise in late-onset Pompe disease (LOPD): a two-step rehabilitative approach. **Neurological Sciences** 2019
25. Camardella, C., Murciego, L.P., Tang, S., Bertolucci, F., **Chisari, C.**, Barsotti, M., Frisoli, A. Simple Tool for Functional and Physiological Stroke Patients Assessment. **Biosystems and Biorobotics** Volume 21, 2019, Pages 779-782
26. Iolascon, G., Vitacca, M., Carraro, E., **Chisari, C.**, Fiore, P., Messina, S., Giovanna Mongini, T.E., Sansone, V.A., Toscano, A., Siciliano, G. The role of rehabilitation in the management of late-onset Pompe disease: A narrative review of the level of evidence (2018) *Acta Myologica*, 37 (4), pp. 241-251.
27. Federica Bertolucci, **Carmelo Chisari**, Felipe Fregni. *The potential dual role of transcallosal inhibition in post-stroke motor recovery.* (2018) **Restorative Neurology and Neuroscience** (I.F. 2.1) 36(1):83-97.
28. Siria Di Martino, Caterina Tramonti, Elisa Unti, Claudia Del Gamba, Ubaldo Bonuccelli, Bruno Rossi, Roberto Ceravolo and **Carmelo Chisari**. *Aerobic rehabilitation program for improving muscle function in Parkinson's disease* (2018) **Restorative Neurology and Neuroscience** (I.F. 2.1) 36(1):13-20
29. Cavalli L, Guazzini A, Rossi B, **Chisari C** Stroke Rehabilitation: Which is the Main Functional Outcome to Reach? (2017) **Int J Neurorehabilitation** 4: 293.
30. Stefania Dalise, Loredana Cavalli, Harmanvic Ghuman, Brendon Wahlberg, Madeline Gerwig, **Carmelo Chisari**, Fabrisia Ambrosio, Michel Modo. *Biological effects of dosing aerobic exercise and neuromuscular electrical stimulation in rats* (2017). **Scientific Reports** (I.F. : 4259) Sep 7; 7(1):10830
31. Fiorenzo Artoni, Chiara Fanciullacci, Federica Bertolucci, Alessandro Panarese, Scott Makeig, Silvestro Micera,

- Carmelo Chisari**. *Unidirectional brain to muscle connectivity reveals motor cortex control of leg muscles during stereotyped walking* (2017). *Neuroimage* (I.F : 5835) Aug 4; 159: 403-416
32. Chiara Fanciullacci, Federica Bertolucci, Alessandro Panarese, Fiorenzo Artoni, Silvestro Micera, Bruon Rossi and **Carmelo Chisari**. *Delta Power Is Higher and More Symmetrical in Ischemic Stroke Patients with Cortical Involvement* (2017). **Frontiers in Human Neuroscience** (I.F : 3209) Jul 28; 11:385.
 33. Thibaut A, Simis M, Battistella LR, Fanciullacci C, Bertolucci F, Huerta-Gutierrez R, **Chisari C**, Fregni F. *Using brain oscillation and Cortico-spinal Excitability to understand and predict Post-stroke motor function* (2017). **Frontiers Neurology** (I.F : 3552) May 10; 8:187.
 34. Genna C, Oddo CM, Fanciullacci C, **Chisari C**, Jörntell H, Artoni F, Micera S. *Spatiotemporal Dynamics of the Cortical Responses induced by a Prolonged Tactile stimulation of the Human fingertips* (2017). **Brain Topography** (I.F : 3394) Jul; 30(4):473-485
 35. Tramonti C, Di Martino S, Unti E, Frosini D, Bonuccelli U, Rossi B, Ceravolo R, **Chisari C**. *Gait dynamics in Pisa syndrome and Camptocormia: the role of stride length and hip kinematics* (2017) . **Gait Posture** (I.F : 2347) Sep; 57:130-135.
 36. Alessandro Picelli, Alessio Baricich, Carlo Cisari, Stefano Paolucci, Nicola Smania, Giorgio Sandrini...**Carmelo Chisari** on behalf of the Italian Real-Life Survey Group. *The Italian real-life post-stroke spasticity survey: unmet needs in the management of spasticity with botulinum toxin type A* (2017). **Functional Neurology** (I.F : 1855) 32(2): 89-96
 37. Claudia Alia, Cristina Spalletti, Stefano Lai, Alessandro Panarese, Giuseppe Lamola, Federica Bertolucci, Fabio Vallone, Angelo Di Garbo, **Carmelo Chisari**, Silvestro Micera, Matteo Caleo. *Neuroplastic changes following brain ischemia and their contribution to stroke recovery: impact of robotic rehabilitation* (2017). **Frontiers in Cell Neurosc** (I.F : 4555) Mar 16;11:76
 38. Di Martino S, Unti E, Mazzucchi S, Caterina Tramonti, Bonuccelli U, Rossi B, Ceravolo R, **Chisari C**. *Efficacy of a combined therapeutic approach in the management of Pisa Syndrome* (2017) . **Neurorehabilitation** (I.F : 1495) 41(1):249-253.
 39. Giuseppe Lamola, Chiara Fanciullacci, Giada Sgherri, Federica Bertolucci, Alessandro Panarese, Silvestro Micera, Bruno Rossi, **Carmelo Chisari** *Neurophysiological characterization of subacute stroke patients: a longitudinal study* (2016). **Frontiers in Human Neuroscience** (I.F : 3209) Nov. 16; 10:574.
 40. Barsotti, M, Sotgiu, E, Leonardis, D , Sarac, M , Sgherri, G, Lamola, G, Fanciullacci, C, Procopio, C, **Chisari, C**, Frisoli, A, *A novel approach for upper limb robotic rehabilitation for stroke patients* (2016). **Lecture Notes in Computer Science** 9775, pp. 459-469.
 41. Tramonti C, Rossi B, **Chisari C**. *Extensive Functional Evaluations to Monitor Aerobic Training in Becker Muscular Dystrophy: A Case Report* (2016). **Eur J Transl Myol**. Jun 13; 26(2): 5873
 42. Fanciullacci C, Straudi S, Basaglia N, **Chisari C**. *The role of psychological well-being in Multiple Sclerosis rehabilitation* (2017). **Eur J Phys Rehabil Med** (I.F : 1827) Feb; 53(1):105-113
 43. Straudi S, Fanciullacci C, Martinuzzi C, Pavarelli C, Rossi B, **Chisari C**, Basaglia N. *The effects of robot-assisted gait training in progressive multiple sclerosis: A randomized controlled trial* (2016). **Mult Scler** (I.F : 4840) Mar; 22(3): 373-84.
 44. Giuseppe Lamola, Martina Venturi, Dario Martelli, Elisabetta Iacopi, Chiara Fanciullacci, Alberto Coppelli, Bruno Rossi, Alberto Piaggese and **Carmelo Chisari**. *Quantitative assessment of early biomechanical modifications in diabetic foot patients: the role of foot kinematics and step width* (2015). **Journal of NeuroEngineering and Rehabilitation** (I.F : 3516) 9; 12(1): 98
 45. Barsotti, M., Leonardis, D., Loconsole, C., Solazzi, M., Sotgiu, E., Procopio, C., Chisari, C., Bergamasco, M., Frisoli, A. *A full upper limb robotic exoskeleton for reaching and grasping rehabilitation triggered by MI-BCI* (2015). **IEEE International Conference on Rehabilitation Robotics (ICORR)** September 2015, Article number 7281174, Pages 49-54 DOI: 10.1109/ICORR.2015.7281174
 46. Lamola G, Bertolucci F, Rossi B, **Chisari C**. *Clinical Assessments for Predicting Functional Recovery after Stroke* (2015). **Int J Neurorehabilitation** (I.F : 1259) 2: 174.
 47. Leonardis D, Barsotti M, Loconsole C, Solazzi M, Troncossi M, Mazzotti C, Castelli VP, Procopio C, Lamola G, **Chisari C**, Bergamasco M, Frisoli A. *An EMG-Controlled Robotic Hand Exoskeleton for Bilateral Rehabilitation*

- (2015). **IEEE Trans Haptics** (I.F : 2000). Apr-Jun; 8(2):140-51.
48. **Carmelo Chisari** *Bottom-Up or Top-Down Approach? Understanding the Way to Reach the Milestone of Recovery in Stroke* (2015). **Int J Neurorehabilitation** (I.F : 1259) 2:2 e107. doi: 10.4172/2376-0281.1000e107
 49. Coscia M, Monaco V, Martelloni C, Rossi B, **Chisari C**, Micera S. *Muscle synergies and spinal maps are sensitive to the asymmetry induced by a unilateral stroke* (2015). **J Neuroengineering and Rehabilitation** (I.F : 3516). Apr 18; 12:39.
 50. Lamola G., Fanciullacci C., Rossi B., **Chisari C**. *Clinical evidences of brain plasticity in stroke patients* (2014). **Archives Italiennes de Biologie** (I.F : 1422) Dec; 152(4): 259-71.
 51. **Chisari C.**, Fanciullacci C., Lamola G., Rossi B., Cohen LG. *NIBS-DRIVEN Brain Plasticity* (2014). **Archives Italiennes de Biologie** (I.F : 1422) Dec; 152(4): 247-58.
 52. Bertolucci F, Di Martino S, Orsucci D, Ienco EC, Siciliano G, Rossi B, Mancuso M, **Chisari C**. *Robotic gait training improves motor skills and quality of life in hereditary spastic paraplegia* (2015). **NeuroRehabilitation** (I.F : 1495) Jan 1; 36(1): 93-9.
 53. Mishra A, Ghosh R, Coscia M, Kukreja S, **Chisari C**, Micera S, Haoyong Y, Thakor N.V. *A neurally inspired robotic control algorithm for gait rehabilitation in hemiplegic stroke* (2014). IEEE RAS and EMBS International Conference on **Biomedical Robotics and Biomechatronic** 6913852, pp. 650-655
 54. **Chisari C**, Venturi M, Bertolucci F, Fanciullacci C, Rossi B. *Benefits of an intensive task-oriented circuit training in Multiple Sclerosis patients with mild disability* (2014). **NeuroRehabilitation** (I.F : 1495). 35(3): 509-18
 55. Franceschini M, Iocco M, Molteni F, Santamato A, Smania N...**Chisari C**... Italian Spasticity Study Group. *Management of stroke patients submitted to botulinum toxin type A therapy: a Delphi survey of an Italian expert panel of specialist injectors* (2014). **Eur J Phys Rehabil Med** (I.F :1827) Oct; 50(5): 525-33.
 56. Di Martino S, Dalise S, Lamola G, Venturi M, Rossi B, **Chisari C**. *A Beautician's Dystonia: Long-Lasting Effect of Botulinum Toxin* (2014). **Case Rep Neurol Med**. 2014;686181.
 57. Tramonti F, Fanciullacci C, Giunti G, Rossi B, **Chisari C**. *Functional status and quality of life of stroke survivors undergoing rehabilitation programs in a hospital setting* (2014). **NeuroRehabilitation** (I.F : 1495) 35(1): 1-7.
 58. Caterina Tramonti, Stefania Dalise, Federica Bertolucci, Bruno Rossi, **Carmelo Chisari** *Abnormal lactate levels affect motor performance in Myotonic Dystrophy type 1* (2014). **Eur J Trans Myol - Basic Appl Myol** 24 (4): 255-260
 59. Bertaggia E, Scabia G, Dalise S, Lo Verso F, Santini F, Vitti P, **Chisari C**, Sandri M, Maffei M. *Haptoglobin is required to prevent oxidative stress and muscle atrophy* (2014). **PLoS One** (I.F : 2806) Jun 24; 9(6)
 60. **Chisari C**, Bertolucci F, Monaco V, Venturi M, Simonella C, Micera S, Rossi B. *Robot-assisted gait training improves motor performances and modifies Motor Unit firing in post-stroke patients.* (2015). **European Journal of Physical and Rehabilitation Medicine** (I.F : 1827) Feb; 51(1):59-69.
 61. Spalletti C, Lai S, Mainardi M, Panarese A, Ghionzoli A, Alia C, Gianfranceschi L, **Chisari C**, Micera S, Caleo M. A Robotic System for Quantitative Assessment and Poststroke Training of Forelimb Retraction in Mice (2014). **Neurorehabilitation and Neural Repair** (I.F : 4107) Feb; 28(2): 188-96.
 62. Bertolucci F, Neri R, Dalise S, Venturi M, Rossi B, **Chisari C**. *Abnormal lactate levels in patients with polymyositis and dermatomyositis: the benefits of a specific rehabilitative program* (2014). **Eur J Phys Rehabil Med** (I.F : 2063) Apr; 50(2): 161-9.
 63. **Chisari C**, Bertolucci F, Dalise S, Rossi B. *Chronic muscle stimulation improves muscle function and reverts the abnormal surface EMG pattern in Myotonic Dystrophy: a pilot study* (2013) . **Journal of Neuroengineering and Rehabilitation** (I.F : 3516) Aug 12; 10(1): 94.
 64. Frisoli A, Procopio C, **Chisari C**, Creatini I, Bonfiglio L, Bergamasco M, Rossi B, Carboncini MC. *Positive effects of robotic exoskeleton training of upper limb reaching movements after stroke* (2012). **Journal of Neuroengineering and Rehabilitation** (I.F : 3516) Jun 9; (9): 36.
 65. Bertolucci F, Fanciullacci C, Rossi B, **Chisari C**. *rTMS in the management of allodynia from brachial plexus injuries* (2012). **Brain Stimulation** (I.F : 6078) Mar; 6(2): 218-9.

66. Artoni F, **Chisari C**, Menicucci D, Fanciullacci C, Micera S. REMOV: EEG artifacts removal methods during Lokomat lower-limb rehabilitation (2012) In: **IEEE RAS and EMBS International Conference on Biomedical Robotics and Biomechatronics 2012** Article number 6290835, Pages 992-997
67. Dalise S, Bertolucci F, Simonella C, Rossi B, **Chisari C**. Intensive aerobic training improves motor performances and oxidative metabolism efficiency in chronic polymyositis: A case report (2012). **Neuromuscular Disorders** (I.F : 2969) Dec; 22 Suppl 3:S221-5.
68. Frisoli A, Sotgiu E, Procopio C, Bergamasco M, **Chisari C**, Lamola G, Rossi B. Training and assessment of upper limb motor function with a robotic exoskeleton after stroke . In: Proceedings of the **IEEE RAS and EMBS International Conference on Biomedical Robotics and Biomechatronics 2012** Article number 6290843, Pages 1782-1787.
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Honours and Awards

2020	Member of the Editorial Board of Motor Neuroscience (specialty section of Frontiers in Human Neuroscience).
2018	Member of the Editorial Board of Journal Restorative Neurology and Neuroscience
2017	Member of the Editorial Board of Journal Frontiers in Human Neuroscience
2017	Member of the Editorial Board of European Journal of Translational Myology
2015	Guest Editor Special Issue <i>BRAIN PLASTICITY: BASIC AND CLINICAL EVIDENCES</i> Archives Italiennes de Biologie
2013	Member of the Editorial Board of the International Journal of Neurorehabilitation
2012	Member of the Governing Council of Italian Society of Neurological Rehabilitation (SIRN)
2011	Past Member of the Governing Council of Italian Society of Motion Analysis in Clinic (SIAMOC)
1998	Member of Italian Society of Neurology (SIN)

Funded Research:

- 1996 Telethon Foundation: "Expression of calcium-activated potassium channels in myotonic dystrophy: correlation with myotonia and dystrophy."
- 1999 Telethon Foundation re-application, "Expression of calcium-activated potassium channels in myotonic dystrophy: correlation with myotonia and dystrophy."
- 2009 Italian Ministry of Research: "Molecular mechanisms involved in cancer cachexia: effects of exercise."
- 2009 IIT European Projects Seed: "Brain computer interface for Robotic-enhanced Action in Visuo-motOrtask- BRAVO".
- 2010 Ipsen Sponsor Limited "ULIS-2: An International prospective cohort to document the effectiveness of one BoNT-A injections cycle based on attainment of individual person-centred goals in adult patients suffering from Upper Limb Spasticity following stroke."
- 2010 Italian Federation of Multiple Sclerosis: "The effects of robotic therapy on the walking ability and on the motor units firing in patients with multiple sclerosis."
- 2011 Foundation "Cassa di Risparmio" Pisa: "Neuroplasticity and Functional Recovery post stroke: using robotic technology in animal model and clinical study". In collaboration with l'Istituto di Biorobotica Scuola Superiore Sant'Anna and Italian National Research Council
- 2014 MIUR e Regione Toscana – Bando "FAS Health" 2014 "RObotica indossabile personalizzata per la riabilitazioNe motoria Dell'arto superiore in pAzzienti neurologici (RONDA)". In collaboration with Istituto di Biorobotica Scuola Superiore Sant'Anna. Italian National Research Council
- 2016 NIH-AR3T Funding - "Neuro-biological effects of rehabilitation on neural stem cell transplantation after stroke". In collaboration with McGowan Institute for Regenerative Medicine – University of Pittsburgh and UPMC.
- 2016 WYSS Foundation (Switzerland) "Effect of an automatic personalized robot-assisted rehabilitation on cortical organization and on muscle activity after cerebral injury". In collaboration with Translational Neural Engineering Laboratory (EPFL - Losanna), Dept. of Rehabilitation – University Hospital of Geneva (Geneva – Switzerland) - Wearable Robotics (Pisa).
- 2020 Bando Salute Regione Toscana 2018 "**PERSONalized rObotic NeurorehAbilitation for stroke survivors – PERSONA**". In collaboration with Istituto di Biorobotica Scuola Superiore Sant'Anna, Italian National Research Council, Don Gnocchi Foundation.
- 2022 PNC Project **THE** (Tuscany health Ecosystem)
- 2022 PNC Project **Fit4Med Rob**

I authorize the processing of personal data, as provided by Italian Law 196/03.

Pisa, 18 March 2024

Signature 