
PERSONAL INFORMATION Andrea Tacchino**POSITION** Researcher in Rehabilitation**WORK EXPERIENCE**

2018–Present **National Scientific Qualification to Associate Professor in Health professions sciences and applied medical technologies (code 06/N1)**

4 May 2011–Present **Researcher**
Italian Multiple Sclerosis Foundation
Via Operai 40, Genoa (Italy), 16149 Genoa (Italy), www.aism.it
Member of the Scientific Rehabilitation Area of the Italian Multiple Sclerosis Foundation. My interests are focused on:

- the impact of motor and cognitive rehabilitation on behavioural and neural correlates in people with multiple sclerosis.
- the impact of physical activity on behavioural and neural correlates in people with multiple sclerosis.
- models applied to big-data of Patient Centered Outcomes to predict disease evolution in people with multiple sclerosis.
- social cognition in people with multiple sclerosis.
- unmet needs and quality of life in people with multiple sclerosis and caregivers.
- validation of clinical scales for the evaluation of people with multiple sclerosis.
- development of devices for the rehabilitation of people with multiple sclerosis.

Business or sector: Professional, scientific and technical activities

3 May 2009–3 May 2011 **Post Doc**
Experimental Medicine Department, University of Genoa
Via Leon Battista Alberti, 2, 16132 Genoa (Italy), www.dimes.unige.it
Motor control in healthy and neurological populations

Business or sector: Professional, scientific and technical activities

1 Jan 2006–27 Mar 2009 **PhD Student**
Experimental Medicine Department, University of Genoa
Via L. B. Alberti 2, 16132 Genoa (Italy), www.dimes.unige.it
Motor control in healthy and neurological populations

Business or sector: Professional, scientific and technical activities

2007 **Research Fellow**

Department of Physiology and Pharmacology of CUNY (New York)
At the Laboratory of Prof. Maria Felice Ghilardi. Aim: study of fine finger movements during the execution of tasks of motor learning.

1 Jan 2005–31 Dec 2005 **Collaborator**

Experimental Medicine Department, University of Genoa
Via L. B. Alberti 2, 16132 Genoa (Italy), www.dimes.unige.it

Transcallosal inhibition in patients with multiple sclerosis

Business or sector: Professional, scientific and technical activities

1 May 2005–3 May 2011 **Technical manager, Tutor and Teacher**

University of Genoa
Via L. B. Alberti 2, 16132 Genoa (Italy), www.matam.it

Technical manager, Tutor and Teacher for the Master of ICT applied to Medicine

Business or sector Professional, scientific and technical activities

2005–Present

University teaching assistant

2005 - 2009 (and 2017 - 2022): Computer Assisted Design for the *Bachelor's degree for Orthopedic technicians- University of Genoa*

2005 - 2013: Human Physiology for the *Bachelor's degree for Biomedical Engineering- University of Genoa*

2006 - 2009 (and 2013 - 2022): Information and Communication Technology for the *Bachelor's degree for Sport Science- University of Genoa*

2007 - 2009: Information and Communication Technology for the *Fitness Trainers Course- University of Genoa*

2007 - 2010: Bioengineering, Electronics and Information and Communication Technology for the *Master degree for Sport Science- University of Genoa*

2011: Human Physiology for the *Bachelor's degree for Physical Therapy- University of Genoa*

2011: Information and Communication Technology for the *Master in Management of Health Systems- University of Genoa*

2012 - 2017: Electronic and electric measurements for the *Bachelor's degree for Orthopedic technicians - University of Genoa*

2013 - 2022: Information and Communication Technology for the *Master degree for Sport Science- University of Genoa*

2013 - 2022: Rehabilitation Engineering for the *Master degree for Biomedical Engineering - University of Genoa*

2021 - 2022: Devices and Technologies for Rehabilitation for the *Bachelor's degree for Biomedical Engineering - University of Cagliari*

2019 - 2021: Sclerosi Multipla: Aspetti clinici, cognitivi e motori della patologia for the *Master in Clinical Neuroscience – Catholic University of Sacro Cuore*

2022: Trattamenti neuroriabilitativi per le patologie neurologiche. Focus sulla Sclerosi Multipla for *Scuola IANUA – University of Genoa*

2009–Present

Teaching and Responsibilities

2022: Scientific responsibility and Speaker for “**Stabilometria nella Sclerosi Multipla dalla valutazione alla misura di outcome**” organized by the Italian Multiple Sclerosis Society (AISM)

2021: Scientific Committee and Speaker for “**Medicina digitale e teleriabilitazione durante ed oltre l'emergenza sanitaria focus su patologie neurologiche**” organized by the Italian Multiple Sclerosis Society (AISM)

2020: Invited Speaker for “**Recenti acquisizioni nella sclerosi multipla**” organized by the Italian Multiple Sclerosis Society (AISM)

2019: Scientific responsibility and Speaker for "Education in specific biomedical devices classes" for the "Management of biomedical technologies" organized by the LIUC Business School

2019: Scientific responsibility and Speaker for "Misure di outcome per la SM: aggiornamento della letteratura e training di somministrazione" organized by the Italian Multiple Sclerosis Society (AISM)

2019: Scientific responsibility and Speaker for "Recenti acquisizioni nella sclerosi multipla: le tecnologie ambulatoriali e domiciliari per il trattamento riabilitativo della sclerosi multipla" organized by the Italian Multiple Sclerosis Society (AISM)

2018: Invited Speaker for "La riabilitazione cognitiva ed in dual-task nella SM" organized by the Italian Multiple Sclerosis Society (AISM)

2018: Invited Speaker for "Recenti acquisizioni nella sclerosi multipla" organized by the Italian Multiple Sclerosis Society (AISM) in Padua

2018: Invited Speaker for "Recenti acquisizioni nella sclerosi multipla" organized by the Italian Multiple Sclerosis Society (AISM) in Genoa

2017: Scientific responsibility and Speaker for "Ricerca nella SM: le tecnologie al servizio della riabilitazione" organized by the Italian Multiple Sclerosis Society (AISM)

2012: Invited Speaker for "Una ricerca di qualità: analisi degli aspetti metodologici della ricerca psicologica nella Sclerosi Multipla" organized by the Italian Multiple Sclerosis Society (AISM)

2012–Present

Reviewer

Reviewer for manuscripts for the following international journals:

- Journal of Neural Transmission
- Clinical Rehabilitation
- Disability and Rehabilitation
- PlosONE
- British Journal of Occupational Therapy
- Multiple Sclerosis and Related Disorders
- Multiple Sclerosis International
- Multiple Sclerosis Journal: Experimental, Translational and Clinica
- Journal of NeuroEngineering and Rehabilitation
- Archives in Physiotherapy
- Scientific Report
- Applied Neuropsychology
- Computational Intelligence and Neuroscience

2021–Present

Editor

Associate editor:

- Frontiers in Human Neuroscience

2018–Present

Scientific Committees

Member of the Scientific Committee of "Rete Psicologi", an initiative organized by the Italian Multiple Sclerosis Society (AISM) to share scientific knowledge among psychologists expert of Multiple Sclerosis.

2018

Workgroups

Member of the workgroup for the "MANIFESTO PER UNA SANITA' "INTELLIGENTE"", an initiative organized by **i-com** organization on the role of Artificial Intelligence in Public Health.

EDUCATION AND TRAINING

2019 Master degree in Psychology (Body and mind sciences) (final mark 110/110)

University of Turin

Title: "Social cognition decline in people with Multiple Sclerosis. Evidences from movement intention recognition."

2015 Bachelor degree in Psychological Sciences (full marks with honors)

2009: Teacher for "**Information and Communication Technology**" for the *Ordine dei Medici of Genoa*

University of Turin

Title: "Cognitive disorders in Multiple Sclerosis. From diagnosis to treatment."

1 Jan 2006–27 Mar 2009 **PhD in Bioengineering**

EQF level 8

University of Genoa, Genoa (Italy)

Title: "The future is in our hands: a neuro-engineering approach to study the neurophysiology of finger movements."

2002–2004 **Master degree in Bioengineering (final mark 110/110)**

University of Genoa, Genoa (Italy)

Title: "Design and Development of a tool for the quantitative evaluation of the fine finger movements."

1999–2002 **Bachelor degree in Biomedical Engineering (final mark 104/110)**

University of Genoa, Genoa (Italy)

Title: "Software development for the impedance featuring of matrices of electrical microtransducers."

1994–1999 **High school diploma (classical studies)**

Liceo classico statale Giuseppe Mazzini, Genoa (Italy)

PERSONAL SKILLS

Mother tongue(s) Italian

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Foreign language(s)	C2	C2	C1	C1	C2
	C1	C2	B1	B1	B1

English

French

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Communication skills

I establish good relations both at work and in the free time. I am used to teamwork and to opinion sharing.

Organizational / managerial skills

Good organizational and leadership skills.

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem- solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

Mastery in programming languages: C, C#, MatLab..

Mastery in Xamarin and Visual Studio platforms for mobile devices' application development.

Mastery in BTS Smart-D for movement analysis system.

Mastery in Office, Internet and E-mail packages.

Skills in statistical analysis softwares Origin and Statistica.

B

Driving licence
ADDITIONAL INFORMATION

Honours and awards

Awards as First author:

2014: Award for best platform presentation "Social cognition decline in Multiple Sclerosis. Evidences from intention recognition" at **The CONSORTIUM of Multiple Sclerosis Centers 2014** – Dallas, Texas, **US**

2012: Young Research Award for Best contribute Basic Knowledge and Methodologies "III National Bioengineering Congress" – Rome, Italy

2009: National Award for PhD Thesis - "National Bioengineering Group" Awards as Participant:

2017: Award for Second best oral presentation "Responsiveness of upper limb outcome measures in people with multiple sclerosis: an European RIMS multi-center study." **RIMS congress 2017** – Barcelona, Spain

2013: Award for poster presentation "Motor rehabilitation impacts the white matter microstructure of corpus callosum in patients with multiple sclerosis" at **RIMS congress 2013** – Copenhagen, Danmark

2009: Award for poster presentation "Unimanual and bimanual fingers movements analysis in patients affected by Tourette Syndrome" at XXXVI Congresso Nazionale LIMPE– Genoa, Italy

Patents

2013: Structured Cognitive Functions Training Kit (Scientific-Clinical App for Android mobile devices) – N° 008950, Ordinativo D008111, 20/08/2013

2022: Activity Battery Outcome (ABOUTCOME) – N° D000017020, Ordinativo D000016063, 04/02/2022

Copyrights 2020: Daily-living Activities Questionnaire (DIDA-Q) (doi.org/10.1016/j.msard.2020.102601)

Citations H-Index: Scopus, 19; Web of Science, 16

Paper author of 75 peer-reviewed papers

Disclosure

Si autorizza il trattamento dei propri dati personali ai sensi del D. Lgs. n. 196 del 30/06/2003. Il presente CV ha funzione di autocertificazione ai sensi dell'art. 13 GDPR 679/16.



Andrea Tacchino

Genova, 31 Maggio 2022

Andrea Tacchino

A handwritten signature in black ink, appearing to read "Andrea Tacchino".

Scientific profile

LIST OF PUBLICATIONS ON INTERNATIONAL JOURNALS WITH PEER-REVIEW

2022	<ol style="list-style-type: none"> 1. Carpinella I, Gervasoni E, Anastasi D, Di Giovanni R, Tacchino A, Brichetto G, Confalonieri P, Solaro C, Rovaris M, Ferrarin M, Cattaneo D. “Walking With Horizontal Head Turns Is Impaired in Persons With Early-Stage Multiple Sclerosis Showing Normal Locomotion.” Front Neurol. 2022 Jan 28;12:821640. 2. Podda J, Tacchino A, Pedullà L, Monti Bragadin M, Battaglia MA, Brichetto G, Ponzio M. “Mind wandering in people with Multiple Sclerosis: A psychometric study.” Mult Scler Relat Disord. 2022 Jan 11;58:103521. 3. Kahraman T, Rasova K, Jonsdottir J, Medina CS, Kos D, Coote S, Tacchino A, Smedal T, Arntzen EC, Quinn G, Learmonth Y, Pedulla L, Moumdjian L, Kalron A. “The impact of the COVID-19 pandemic on physical therapy practice for people with multiple sclerosis: A multicenter survey study of the RIMS network.” Mult Scler Relat Disord. 2022 Apr 10;62:103799.
2021	<ol style="list-style-type: none"> 1. Di Giovanni R, Solaro C, Grange E, Masuccio FG, Brichetto G, Mueller M, Tacchino A. “A comparison of upper limb function in subjects with multiple sclerosis and healthy controls using an inertial measurement unit.” Mult Scler Relat Disord. 2021 May 23;53:103036. 2. Carpinella I, Gervasoni E, Anastasi D, Di Giovanni R, Tacchino A, Brichetto G, Confalonieri P, Rovaris M, Solaro C, Ferrarin M, Cattaneo D. “Instrumentally assessed gait quality is more relevant than gait endurance and velocity to explain patient-reported walking ability in early-stage multiple sclerosis.” Eur J Neurol. 2021 Jul;28(7):2259-2268. 3. Podda J, Ponzio M, Pedullà L, Monti Bragadin M, Battaglia MA, Zaratini P, Brichetto G, Tacchino A. “Predominant cognitive phenotypes in multiple sclerosis: Insights from patient-centered outcomes.” Mult Scler Relat Disord. 2021 Jun;51:102919. 4. Veldkamp R, Baert I, Kalron A, Romberg A, Tacchino A, Giffroy X, Coninx K, Feys P. “Associations between clinical characteristics and dual task performance in Multiple Sclerosis depend on the cognitive and motor dual tasks used.” Mult Scler Relat Disord. 2021 Aug 29;56:103230. 5. Grange E, Marengo D, Di Giovanni R, Mueller M, Brichetto G, Tacchino A, Bertoni R, Patti F, Pappalardo A, Prosperini L, Castelli L, Rosato R, Cattaneo D, Solaro C. “Italian translation and psychometric validation of the ABILHAND-26 and its correlation with upper limb objective and subjective measures in multiple sclerosis subjects.” Mult Scler Relat Disord. 2021 Jul 21;55:103160. 6. Ponzio M, Tacchino A, Amicizia D, Piazza MF, Paganino C, Trucchi C, Astengo M, Simonetti S, Gallo D, Sansone A, Brichetto G, Battaglia MA, Ansaldi F. “Prevalence of multiple sclerosis in Liguria region, Italy: an estimate using the capture-recapture method”. Neurol Sci. 2021 Nov 24.
2020	<ol style="list-style-type: none"> 1. Veldkamp R, Kalron A, Baert I, Hämäläinen P, Tacchino A, D’hooge M, Giffroy X, Van Geel F, Raats J, Van Wijmeersch B, Feys P. “Differential effects and discriminative validity of motor and cognitive tasks varying in complexity on cognitive-motor interference in persons with mild to moderate disability due to Multiple Sclerosis.” Mult Scler. 2021 Feb 10;1352458520986960. 2. Prada V, Tacchino A, Podda J, Pedullà L, Konrad G, Battaglia MA, Brichetto G, Monti Bragadin M. “Mam36 and Abilhand as outcome measures of multiple sclerosis hand disability: an observational study.” Eur J Phys Rehabil Med. 2020 Dec 11. 3. Podda J, Pedullà L, Monti Bragadin M, Piccardo E, Battaglia MA, Brichetto G, Bove M, Tacchino A. “Spatial constraints and cognitive fatigue affect motor imagery of walking in people with Multiple Sclerosis.” Sci Rep. 2020 Dec 14;10(1):21938. 4. Cattaneo D, Gervasoni E, Anastasi D, Di Giovanni R, Brichetto G, Carpinella I, Cavalla P, Confalonieri P, Groppo E, Prosperini L, Tacchino A, Rovaris M, Solaro C. “Prevalence and patterns of subclinical motor and cognitive impairments in nondisabled subjects with early Multiple Sclerosis: a multicenter cross-sectional study.” Ann Phys Rehabil Med. 2021 Jan 14:101491. 5. Podda J, Tacchino A, Pedullà L, Monti Bragadin M, Battaglia MA, Brichetto G. “Focus on neglected features of cognitive rehabilitation in MS: Setting and mode of the treatment.” Mult Scler. 2020 Oct 13:1352458520966300. 6. Pedullà L, Tacchino A, Podda J, Monti Bragadin M, Bonzano L, Battaglia MA, Bove M, Brichetto G, Ponzio M. “The patients’ perspective on the perceived difficulties of dual-tasking: development and validation of the Dualtask Impact on Daily-living Activities Questionnaire (DIDA-Q).” Mult Scler Relat Disord. 2020 Nov;46:102601. 7. Kalron A, Ehling R, Baert I, Smedal T, Rasova K, Heric-Mansrud A, Elorriaga I, Nedeljkovic U, Tacchino A, Gargul L, Gusowski K, Cattaneo D, Borgers S, Hebert J, Dalgas U, Feys P. “Improving our understanding of the most important items of the Multiple Sclerosis Walking Scale-12 indicating mobility dysfunction: Secondary results from a RIMS multicenter study.” Mult Scler Relat Disord. 2020 Sep 14;46:102511. 8. Podda J, Ponzio M, Messmer Uccelli M, Pedullà L, Bozzoli F, Molinari F, Monti Bragadin M, Battaglia MA, Zaratini P, Brichetto G, Tacchino A. “Predictors of clinically significant anxiety in people with multiple sclerosis: a oneyear follow-up study.” Mult Scler Relat Disord. 2020 Oct;45:102417. 9. Monti Bragadin M, Motta R, Messmer Uccelli M, Tacchino A, Ponzio M, Podda J, Konrad G, Rinaldi S, Della Cava M, Battaglia MA, Brichetto G. “Lower urinary tract dysfunction in patients with multiple sclerosis: A post-void residual analysis of 501 cases.” Mult Scler Relat Disord. 2020 Oct;45:102378. 10. Solaro C, Di Giovanni R, Grange E, Mueller M, Messmer Uccelli M, Bertoni R, Brichetto G, Tacchino A, Patti F,

	<p>Pappalardo A, Prosperini L, Castelli L, Rosato R, Cattaneo D, Marengo D. “Box and Block Test, Hand Grip Strength, and 9-Hole Peg Test: Correlations between Three Upper Limb Objective Measures in Multiple Sclerosis.” Eur J Neurol. 2020 Dec;27(12):2523-2530</p> <p>11. Prosperini L, Tomassini V, Castelli L, Tacchino A, Brichetto G, Cattaneo D, Solaro CM. “Exergames for balance dysfunction in neurological disability: a meta-analysis with meta-regression.” J Neurol. 2020 May 23.</p>
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	<p>12. Tacchino A, Ponzio M, Pedullà L, Podda J, Bragadin MM, Pedrazzoli E, Konrad G, Battaglia MA, Morkink L, Brichetto G. “Italian validation of the Arm Function in Multiple Sclerosis Questionnaire (AMSQ).” Neurol Sci. 2020 Nov;41(11):3273-3281.</p> <p>13. Mestanza Mattos FG, Gervasoni E, Anastasi D, Giovanni RD, Tacchino A, Brichetto G, Carpinella I, Confalonieri P, Vercellino M, Solaro C, Rovaris M, Cattaneo D. “Assessing balance in non-disabled subjects with multiple sclerosis: Validation of the Fullerton Advanced Balance Scale.” Mult Scler Relat Disord. 2020 Apr 13;42:102085.</p> <p>14. Caronni A, Gervasoni E, Ferrarin M, Anastasi D, Brichetto G, Confalonieri P, Di Giovanni R, Prosperini L, Tacchino A, Solaro C, Rovaris M, Cattaneo D, Carpinella I. “Local Dynamic Stability of Gait in People with Early Multiple Sclerosis and No-to-Mild Neurological Impairment.” IEEE Trans Neural Syst Rehabil Eng. 2020 Jun;28(6):13891396.</p> <p>15. Tacchino A, Veldkamp R, Coninx K, Brulmans J, Palmaers S, Hämäläinen P, D'hooge M, Vanzeir E, Kalron A, Brichetto G, Feys P, Baert I. “Design, Development, and Testing of an App for Dual- Task Assessment and Training Regarding Cognitive-Motor Interference (CMI-APP) in People With Multiple Sclerosis: Multicenter Pilot Study.” JMIR Mhealth Uhealth. 2020 Apr 16;8(4):e15344.</p> <p>16. Solaro C, Di Giovanni R, Grange E, Brichetto G, Mueller M, Tacchino A, Bertoni R, Patti F, Pappalardo A, Prosperini L, Castelli L, Rosato R, Cattaneo D, Marengo D. “Italian translation and psychometric validation of the Manual Ability Measure-36 (MAM-36) and its correlation with an objective measure of upper limb function in patients with multiple sclerosis.” Neurol Sci. 2020 Jun;41(6):1539-1546.</p> <p>17. Ponzio M, Tacchino A, Vaccaro C, Traversa S, Brichetto G, Battaglia MA, Uccelli MM. “Unmet needs influence health-related quality of life in people with multiple sclerosis.” Mult Scler Relat Disord. 2020 Feb;38:101877.</p> <p>18. Brichetto G, Monti Bragadin M, Fiorini S, Battaglia MA, Konrad G, Ponzio M, Pedullà L, Verri A, Barla A, Tacchino A. “The hidden information in patient-reported outcomes and clinician-assessed outcomes: multiple sclerosis as a proof of concept of a machine learning approach.” Neurol Sci. 2020 Feb;41(2):459-462.</p> <p>19. Bonzano L, Pedullà L, Pardini M, Tacchino A, Zaratini P, Battaglia MA, Brichetto G, Bove M. “Brain activity pattern changes after adaptive working memory training in multiple sclerosis”. Brain Imaging Behav. 2020 Feb;14(1):142-154.</p> <p>20. Boffa G, Tacchino A, Sbragia E, Schiavi S, Droby A, Piaggio N, Bommarito G, Girardi G, Mancardi GL, Brichetto G, Inglese M. “Preserved brain functional plasticity after upper limb task-oriented rehabilitation in progressive multiple sclerosis.” Eur J Neurol. 2020 Jan;27(1):77-84.</p>
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2019	<p>1. Kalkers NF, Galan I, Kerbrat A, Tacchino A, Kamm CP, O'Connell K, McGuigan C, Edan G, Montalban X, Uitdehaag BM, Morkink LB. “Differential item functioning of the Arm function in Multiple Sclerosis Questionnaire (AMSQ) by language, a study in six countries.” Mult Scler. 2019 Dec 17:1352458519895450.</p>
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	<ol style="list-style-type: none"> Veldkamp R, Baert I, Kalron A, Tacchino A, D'hooge M, Vanzeir E, Van Geel F, Raats J, Goetschalckx M, Brichetto G, Shalmoni N, Hellinckx P, De Weerd N, De Wilde D, Feys P. "Structured Cognitive- Motor Dual Task Training Compared to Single Mobility Training in Persons with Multiple Sclerosis, a Multicenter RCT." J Clin Med. 2019 Dec 10;8(12):2177. Brichetto G, Pedullà L, Podda J, Tacchino A. "Beyond center-based testing: Understanding and improving functioning with wearable technology in MS." Mult Scler. 2019 Sept;25(10):1402- 1411. Solari A, Giovannetti AM, Giordano A, Tortorella C, Torri Clerici V, Brichetto G, Granella F, Lugaresi A, Patti F, Salvetti M, Pesci I, Pucci E, Centonze D, Danni MC, Bonavita S, Ferraro D, Gallo A, Gajofatto A, Nociti V, Grimaldi L, Grobberio M, Lanzillo R, Di Giovanni R, Gregori S, Manni A, Pietrolongo E, Bertagnoli S, Ronzoni M, Compagnucci L, Fantozzi R, Allegri B, Arena S, Buscarinu MC, Sabattini L, Quartuccio ME, Tsantes E, Confaloneri P, Tacchino A, Schiffmann I, Rahn AC, Kleiter I, Messmer Uccelli M, Barabasch A, Heesen C, The ManTra Project. "Conversion to Secondary Progressive Multiple Sclerosis: Patient Awareness and Needs. Results From an Online Survey in Italy and Germany." Front Neurol. 2019 Aug 22;10:916 Bonzano L, Pedullà L, Tacchino A, Brichetto G, Battaglia MA, Mancardi GL, Bove M. "Upper Limb Motor Training Based on Task-Oriented Exercises Induces Functional Brain Reorganization in Patients with Multiple Sclerosis." Neuroscience. 2019 Jul 1;410:150-159. Solaro C, Cattaneo D, Brichetto G, Castelli L, Tacchino A, Gervasoni E, Prosperini L. "Clinical correlates of 9hole peg test in a large population of people with multiple sclerosis". Mult Scler Relat Disord. 2019 Jan 28;30:18. Ponzio M, Tacchino A, Vaccaro C, Brichetto G, Battaglia MA, Messmer Uccelli M. "Disparity between perceived needs and service provision: a cross-sectional study of Italians with multiple sclerosis". Neurol Sci. 2019 Jun;40(6):1137-1144. Tacchino A, Brichetto G, Zaratini P, Battaglia MA, Ponzio M. "Self-assessment reliability in multiple sclerosis: the role of socio-demographic, clinical, and quality of life aspects". Neurol Sci. 2019 Mar;40(3):617-620. Bonzano L, Bove M, Sormani MP, Stromillo ML, Giorgio A, Amato MP, Tacchino A, Mancardi GL, De Stefano N. "Subclinical motor impairment assessed with an engineered glove correlates with magnetic resonance imaging tissue damage in radiologically isolated syndrome". Eur J Neurol. 2019 Jan;26(1):162-167.
2018	<ol style="list-style-type: none"> Baert I, Smedal T, Kalron A, Rasova K, Heric-Mansrud A, Ehling R, Elorriaga Minguez I, Nedeljkovic U, Tacchino A, Hellinckx P, Adriaenssens G, Stachowiak G, Gusowski K, Cattaneo D, Borgers S, Hebert J, Dalgas U, Feys P. "Responsiveness and meaningful improvement of mobility measures following MS rehabilitation". Neurology. 2018 Nov 13;91(20):e1880-e1892. Cordano C, Armezzani A, Veroni J, Pardini M, Sassos D, Infante MT, Tacchino A, Lapucci C, Cellerino M, Calabro V, Ciullo L, Nourbakhsh B. "Osteopathic manipulative treatment in multiple sclerosis: a proof of concept study". J Am Osteopath Assoc. 2018 Aug 1;118(8):531-536. Ponzio M, Messmer Uccelli M, Lionetti S, Barattini DF, Brichetto G, Zaratini P, Battaglia MA, Tacchino A. "User testing as a method for evaluating subjects' understanding of informed consent in clinical trials in multiple sclerosis". Mult Scler Relat Disord. 2018 Oct;25:108-111. Tacchino A, Saiote C, Brichetto G, Bommarito G, Roccatagliata L, Cordano C, Battaglia MA, Mancardi GL, Inglese M. "Motor Imagery as a Function of Disease Severity in Multiple Sclerosis: An fMRI Study". Front Hum Neurosci. 2018 Jan 11;11:628.
2017	<ol style="list-style-type: none"> Tacchino A, Brichetto G, Zaratini P, Battaglia MA, Ponzio M. "Multiple sclerosis and rehabilitation: an overview of the different rehabilitation settings". Neurol Sci. 2017 Dec;38(12):2131-2138 Bisio A, Pedullà L, Bonzano L, Tacchino A, Brichetto G, Bove M. "The kinematics of handwriting movements as expression of cognitive and sensorimotor impairments in people with multiple sclerosis". Sci Rep. 2017 Dec 18;7(1):17730
2016	<ol style="list-style-type: none"> Saiote C, Tacchino A, Brichetto G, Roccatagliata L, G. Bommarito, C. Cordano, Battaglia MA, Mancardi GL, Inglese M. "Resting-state functional connectivity and motor imagery brain activation". Hum Brain Mapp. 2016 Nov;37(11):3847-3857 Pedullà L, Brichetto G, Tacchino A, Vassallo C, Zaratini P, Battaglia MA, Bonzano L, Bove M. "Adaptive vs. nonadaptive cognitive training by means of a personalized App: a randomized trial in people with multiple sclerosis". J Neuroeng Rehabil. 2016 Oct 4;13(1):88.
2015	<ol style="list-style-type: none"> Pellegrino L, Stranieri G, Tiragallo E, Tacchino A, Brichetto G, Coscia M, Casadio M. "Analysis of upper limb movement in Multiple Sclerosis subjects during common daily actions". Conf Proc IEEE Eng Med Biol Soc. 2015 Aug;2015:6967-70 Fiorini S, Verri A, Tacchino A, Ponzio M, Brichetto G, Barla A. "A machine learning pipeline for multiple sclerosis course detection from clinical scales and patient reported outcomes". Conf Proc IEEE Eng Med Biol Soc. 2015 Aug; 2015:4443-6. Alberti MA, Mori L, Francini L, Poggi I, Monti Bragadin M, Bellone E, Grandis M, Maggi G, Reni L, Sormani MP, Tacchino A, Padua L, Prada V, Bove M, Schenone A. "Innovative quantitative testing of hand function in Charcot-Marie-Tooth neuropathy". J Peripher Nerv Syst. 2015 Dec; 20(4):410-4.

	<ol style="list-style-type: none"> Bonzano L, Tacchino A, Roccatagliata L, Inglese M, G. Mancardi, Novellino A, Bove M. "An engineered glove for investigating the neural correlates of finger movements using functional magnetic resonance imaging". Front Hum Neurosci. 2015 Sep 14;9:503. Tacchino A, Pedullà L, Bonzano L, Vassallo C, Battaglia MA, Mancardi GL, Bove M, Brichetto G. "A new App for at-home cognitive training: description and pilot testing on people with multiple sclerosis". JMIR mHealth and uHealth. 2015 Aug 31; 3(3):e85 Ponzo M, Tacchino A, Zaratin P, Vaccaro C, Battaglia MA. "Unmet care needs of people with a neurological chronic disease: a cross-sectional study in Italy on Multiple Sclerosis". Eur J Public Health. 2015 Oct;25(5):775-80
2014	<ol style="list-style-type: none"> Brichetto G, Piccardo E, Pedullà L, Battaglia MA, Tacchino A. "Tailored balance exercises on people with multiple sclerosis: a pilot randomized-controlled study". Mult. Sci. 2014 Nov 12;21(8):1055-63 Bonzano L, Tacchino A, Brichetto G, Roccatagliata L, Dessypris A, Feraco P, Lopes De Carvalho ML, Battaglia MA, Mancardi GL, Bove M. "Upper limb motor rehabilitation impacts white matter microstructure in multiple sclerosis". Neuroimage. 2014 Apr 15;90:107-16. Tacchino A, Bove M, Roccatagliata L, Mancardi GL, A. Uccelli, Bonzano L. "Selective impairments of motor sequence learning in multiple sclerosis patients with minimal disability". Brain Res. 2014 Aug 20; 1585:91-8.
2013	<ol style="list-style-type: none"> Bonzano L, Sormani MP, Tacchino A, Abate L, Lapucci C, Mancardi GL, Uccelli A, Bove M. "Quantitative assessment of finger motor impairment in multiple sclerosis". PLoS One. 2013 May 31;8(5):e65225. Tacchino A, Bove M, Pedullà L, Battaglia MA, Papaxanthis C, Brichetto G. "Imagined actions in multiple sclerosis patients: evidence of decline in motor cognitive prediction". Exp Brain Res. 2013 Sep;229(4):561-70. Bonzano L, Tacchino A, Saitta L, Roccatagliata L, Avanzino L, Mancardi GL, Bove M. "Basal ganglia are active during motor performance recovery after demanding motor task". Neuroimage 2013 Jan 15;65:257-66
2012	<ol style="list-style-type: none"> Avanzino L, Giannini A, Tacchino A, Abbruzzese G, Bove M. "The role of proprioception in the consolidation of ipsilateral 1Hz-rTMS effects on motor performance". Clin Neurophysiol. 2012 Mar 123:577-81
2011	<ol style="list-style-type: none"> Bonzano L, Tacchino A, Roccatagliata L, Sormani MP, Mancardi GL, Bove M. "Impairment in explicit visuomotor sequence learning is related to loss of microstructural integrity of the corpus callosum in multiple sclerosis patients with minimal disability". Neuroimage 2011 Jul 15;57(2):495-501 Moisello C, Avanzino L, Tacchino A, Ruggeri P, Ghilardi MF, Bove M. "Motor sequence learning: Acquisition of explicit knowledge is concomitant to changes in motor strategy of finger opposition movements". Brain Res Bull 2011 May 30;85(3-4):104-8 Avanzino L, Martino D, Bove M, De Grandis E, Tacchino A, Pelosin E, Mirabelli M, Veneselli E, Abbruzzese G. "Movement lateralization and bimanual coordination in children with Tourette syndrome". Mov Disord 2011 Sep 26:2114-8 Bonzano L, Tacchino A, Roccatagliata L, Mancardi GL, Abbruzzese G, Bove M. "Structural integrity of callosal midbody influences intermanual transfer in a motor reaction-time task". Human Brain Mapping 2010 Jan 28; 32(2):218-28 Rizzo V, Bove M, Naro A, Tacchino A, Mastroeni C, Avanzino L, Crupi D, Morgante F, Siebner HR, Quartarone A. "Associative cortico-cortical plasticity may affect ipsilateral finger opposition movements". Behav Brain Res 2011 Jan 1;216(1):433-9
2010	<ol style="list-style-type: none"> Avanzino L, Tacchino A, Abbruzzese G, Quartarone A, Ghilardi MF, Bonzano L, Ruggeri P, Bove M. "Recovery of motor performance deterioration induced by a demanding finger motor task does not follow cortical excitability dynamics". Neuroscience 2010 Nov 11; 174:84-90
2009	<ol style="list-style-type: none"> Bove M, Tacchino A, Pelosin E, Moisello C, Abbruzzese G, Ghilardi MF. "Spontaneous movement tempo is influenced by observation of rhythmical actions". Brain Res Bull. 2009 Sep 28;80(3):122-7 Avanzino L, Giannini A, Tacchino A, Pelosin E, Ruggeri P, Bove M. "Motor imagery influences the execution of repetitive finger opposition movements". Neurosci Lett. 2009 Nov 27;466(1):11-5 Bove M, Fenoglio C, Tacchino A, Pelosin E, Schieppati M. "Interaction between vision and neck proprioception in the control of stance". Neuroscience. 2009 Dec 29;164(4):1601-8 Avanzino L, Bove M, Tacchino A, Ruggeri P, Giannini A, Trompetto C, Abbruzzese G. "Cerebellar involvement in timing accuracy of rhythmic finger movements in essential tremor" Eur J Neurosci. 2009 Nov 11; 30(10):197179 Avanzino L, Bove M, Tacchino A, Trompetto C, Ogliaastro C, Abbruzzese G. "Interaction between finger opposition movements and aftereffects of 1Hz-rTMS on ipsilateral motor cortex". J. Neurophysiol. 2008 Jun 18; 101(3):1690-94
2008	<ol style="list-style-type: none"> Bonzano L, Tacchino A, Roccatagliata L, Abbruzzese G, Mancardi GL, Bove M. "Callosal contributions to simultaneous bimanual finger movements". J. Neurosci. 2008 Mar 19;28(12):3227-33

	2. Avanzino L, Bove M, Trompetto C, Tacchino A , Ogliastrro C, Abbruzzese G. “ 1-Hz repetitive TMS over ipsilateral motor cortex influences the performance of sequential finger movements of different complexity ”. Eur J Neurosci. 2008 Mar;27(5):1285-91.
2007	1. Bove M, Tacchino A , Novellino A, Trompetto C, Abbruzzese G, Ghilardi MF. “ The effects of rate and sequence complexity on repetitive finger movements ”. Brain Res. 2007 Jun 11;1153:84- 91. 2. Bove M, Faelli E, Tacchino A , Lofrano F, Cogo CE, Ruggeri P. “ Postural control after a strenuous treadmill exercise ”. Neurosci Lett. 2007 May 18;418(3):276-81.

LIST OF PUBLICATIONS ON NATIONAL JOURNALS WITH PEER-REVIEW

2018	1. S. Fiorini, A. Barla, A. Verri, A. Tacchino , G. Bricchetto, “ Intelligenza artificiale al servizio della medicina ” DA53. 2018, Dic; 28-31
2017	1. S. Fiorini, A. Verri, A. Barla, A. Tacchino , G. Bricchetto, “ Temporal prediction of multiple sclerosis evolution from patient-centered outcomes ”. In: Finale Doshi-Velez and Jim Fackler and David Kale and Rajesh Ranganath and Byron Wallace and Jenna Wiens. Proceedings of the 2nd Machine Learning for Healthcare Conference. vol. 68, p. 112-125, 2017, Boston, Massachusetts:Proceedings of Machine Learning Research, PMLR
2015	1. R. Guglielmino, A. Tacchino , C. Vaccaro, P. Zaratin, M.A. Battaglia, M. Ponzio, “ Strumenti per una migliore qualità della vita - L’analisi dei bisogni e delle difficoltà percepite dalle persone con sclerosi multipla sono il punto di partenza per identificare i servizi da potenziare e migliorare ” WelfareOggi. 2015, Giu; 55-60.
2013	1. A. Tacchino , L. Pedullà, G. Girardi, G. Bricchetto, “ Bioingegneria e Neuroscienze al servizio della riabilitazione: passato, presente e futuro ” Giornale Italiano di Terapia Occupazionale. 2013, Nov; 95-101

POSTER PRESENTATION

2021	1. A. Tacchino , L. Pedullà, J. Podda, M. Monti Bragadin, M.A. Battaglia, G. Bricchetto, M. Pau, “La tele-valutazione in ambito neurologico. Risultati di una survey sugli operatori sanitari.” SIRN 2021 – Roma
2019	1. A. Tacchino , M. Ponzio, L. Podda, L. Pedullà, D. Crivelli, M.A. Battaglia, M. Bove, G. Bricchetto, M. Balconi, “Fatigue and motivation in secondary progressive multiple sclerosis”. ECTRIMS 2019 – Stockholm
2018	1. A. Tacchino , S. Fiorini, A. Barla, A. Verri, M. Ponzio, M.A. Battaglia, G. Bricchetto, “Temporal prediction of Multiple Sclerosis progression: the role of patient-centered outcomes”, Sesto Congresso Nazionale di Bioingegneria 2018 – Milano 2. A. Tacchino , L. Pedullà, P. Canepa, L. Bonzano, C. Monteleoni, M.A. Battaglia, G. Bricchetto, M. Bove, “Wind of Change: an Italian initiative to promote water sports in people with multiple sclerosis”. ECTRIMS 2018 – Berlin 3. A. Tacchino , L. Pedullà, P. Canepa, L. Bonzano, C. Monteleoni, M.A. Battaglia, G. Bricchetto, M. Bove, “Wind of Change: an Italian initiative to promote water sports in people with multiple sclerosis”. SIN 2018 – Rome 4. A. Tacchino , B. Marzolini, V. Tauro, M. Spirito, M. Ponzio, M.A. Battaglia, E. d’Amico, M. Bulgheroni, G. Bricchetto, “Long term motor-cognitive monitoring in MS.” SIRN 2018 – Trieste
2017	1. A. Tacchino , M. Babazadeh, GL Mancardi, G Bricchetto, “The effect of a short-period treatment of yoga in people with Multiple Sclerosis”. SIRN 2017 – Pisa 2. A. Tacchino , M. Babazadeh, GL Mancardi, G Bricchetto, “The effect of yoga in people with Multiple Sclerosis”. RIMS 2017 – Barcelona, Spain
2016	1. A. Tacchino , L. Pellegrino, G. Stranieri, E. Tiragallo, G. Bricchetto, M. Coscia, M. Casadio, “Analysis of upper limb synergies in Multiple Sclerosis subjects during common daily actions”. The CONSORTIUM of Multiple Sclerosis Centers 2016 – Washington, Washington DC 2. A. Tacchino , L. Pedullà, G. Bricchetto “Cognitive rehabilitation in multiple sclerosis: an app for attention and memory at-home interventions”, Quinto Congresso Nazionale di Bioingegneria 2016 – Napoli 3. A. Tacchino , F. Florio, M. Venturini, V. Sanguineti, G. Bricchetto. “An Android application to assess attention deficits in persons with multiple sclerosis”. ECTRIMS 2016 – London 4. A. Tacchino , I. De Vita, G. Bricchetto, M. Bulgheroni, E. d’Amico. “Assessment of an m-health intervention to deliver self-management strategies in patients with multiple sclerosis”. Lancet Conference - London

2015	<ol style="list-style-type: none"> A. Tacchino, L. Pellegrino, G. Stranieri, E. Tiragallo, G. Bricchetto, M. Coscia, M. Casadio, "Analysis of upper limb movement in Multiple Sclerosis subjects during common daily actions" SIN 2015 - Genova
	<ol style="list-style-type: none"> A. Tacchino, L. Pellegrino, G. Stranieri, E. Tiragallo, G. Bricchetto, M. Coscia, M. Casadio, "Analysis of upper limb movement in Multiple Sclerosis subjects during common daily actions" ECTRIMS 2015 - Barcelona A. Tacchino, E. d'Amico, M. Ponzio, S. Facchinetti, G. Bricchetto, M. Bulgheroni, "Predisposition and motivation assessment in using technologies in Multiple Sclerosis. A questionnaire on a wearable tool for unobtrusive motor and cognitive monitoring". The CONSORTIUM of Multiple Sclerosis Centers 2015 – Indianapolis, Indiana A. Tacchino, G. Stranieri, E. Tiragallo, G. Bricchetto, M. Casadio, M. Coscia, V. Sanguineti, L. Pellegrino, "Analisi dell'attività muscolare durante compiti di vita quotidiana in pazienti con Sclerosi Multipla: studio pilota". SIRN 2015 – Novara. A. Tacchino, M.A. Battaglia, M. Bove, L. Pedullà, G. Bricchetto, "Mentally simulated motor actions in neurorehabilitation. A pilot study in Multiple Sclerosis" 20th Annual RIMS Conference 2015 – Milan A. Tacchino, E. d'Amico, M. Ponzio, S. Facchinetti, G. Bricchetto, M. Bulgheroni, "Predisposition and motivation assessment in using technologies in multiple sclerosis. A questionnaire on a wearable tool for unobtrusive motor and cognitive monitoring" 20th Annual RIMS Conference 2015 – Milan
2014	<ol style="list-style-type: none"> A. Tacchino, E. d'Amico, M. Ponzio, C. Spelta, S. Addeo, E. Piccardo, L. Pedullà, S. Facchinetti, G. Bricchetto, M. Bulgheroni, "Valutazione di predisposizione e motivazione all'uso di tecnologie in persone con Sclerosi Multipla. Studio di un sistema per il monitoraggio motorio e cognitivo non intrusivo" SIRN 2014 - Genova A. Tacchino, G. Bricchetto, A. Cavallo, C. Ansuini, L. Sartori, U. Castiello, L. Pedullà; M.A. Battaglia, C. Becchio, "Social cognition decline in Multiple Sclerosis. Evidences from intention recognition" IMSCOGS (International Multiple Sclerosis Cognition Society) 2014 – Barcellona A. Tacchino, "New perspectives in Multiple Sclerosis rehabilitation", Letture Horizon 2020 Quarto Congresso Nazionale di Bioingegneria 2014 - Pavia
2013	<ol style="list-style-type: none"> A. Tacchino, M.A. Battaglia, L. Pedullà, M. Bove, G. Bricchetto, "Is locomotion motor imagery preserved in multiple sclerosis? A pilot study." The CONSORTIUM of Multiple Sclerosis Centers 2013 – Orlando, Florida A. Tacchino, M.A. Battaglia, L. Pedullà, M. Bove, G. Bricchetto, "Is locomotion motor imagery preserved in multiple sclerosis? A pilot study." ECTRIMS 2013 - Copenhagen
2012	<ol style="list-style-type: none"> A. Tacchino, M.A. Battaglia, G. Bricchetto, "Virtual Reality in Multiple Sclerosis neurorehabilitative treatment: a pilot study" IMSCOGS (International Multiple Sclerosis Cognition Society) 2012 – Bordeaux A. Tacchino, G. Bricchetto, M. Bove, L. Pedullà, M.A. Battaglia, "Mentally simulated motor actions in neurorehabilitation: a new protocol for patients with Multiple Sclerosis" The CONSORTIUM of Multiple Sclerosis Centers 2012 – San Diego, California A. Tacchino, M.A. Battaglia, G. Bricchetto, "Is virtual reality a useful tool in Multiple Sclerosis neurorehabilitation? A pilot study" ECTRIMS 2012 - Lyon
2011	<ol style="list-style-type: none"> A. Tacchino, M.A. Battaglia, L. Pedullà, M. Bove, G. Bricchetto, "Can mentally simulated motor actions be used in neurorehabilitative protocols in patients with Multiple Sclerosis" ECTRIMS 2011 - Amsterdam
2010	<ol style="list-style-type: none"> A. Tacchino, E. Pelosin, L. Avanzino, M. Bassolino, M. Bove "Different time of visual presentation of rhythmical actions differently influences the execution rate of self-paced movements" Secondo Congresso Nazionale di Bioingegneria 2010 - Turin
2008	<ol style="list-style-type: none"> A. Tacchino, E. Pelosin, M. Ghilardi, C. Moisello, M. Schieppati, G. Abruzzese, M. Bove "Visual Presentation of Rhythmical Actions Influences the Execution Rate of Self-Paced Movements" Primo Congresso Nazionale di Bioingegneria 2008 - Pisa A. Tacchino, L. Avanzino, A. Giannini, M. Bove "Motor imagery influences the movement rate of repetitive finger opposition movements". Neuroscience 2008 - Washington

ORAL PRESENTATIONS

2021	<ol style="list-style-type: none"> A. Tacchino, "AISM: what has changed in the digital era?". A digital journey – Anacapri - (<i>Invited</i>) A. Tacchino "Studio retrospettivo di correlazione tra variabili cliniche di valutazione della respirazione/ fonazione e patient reported outcomes in persone con sclerosi multipla." SIRN 2021 – Roma A. Tacchino, L. Pedullà, J. Podda, M. Monti Bragadin, M.A. Battaglia, M. Pau, G. Bricchetto, "Tele-assessment in Multiple Sclerosis. Results from a survey on health practitioners." Virtual SigMobility RIMS 2020
2020	<ol style="list-style-type: none"> A. Tacchino, J. Podda, M. Ponzio, L. Bozzo, M. Monti Bragadin, G. Konrad, L. Pedullà, G. Bricchetto, "Balance, depression, anxiety, QoL and fatigue in Multiple Sclerosis: a correlation study between a computerized dynamic stabilometric test and Patient Reported Outcomes". Virtual SigMobility RIMS 2020

2019	<ol style="list-style-type: none"> 1. A. Tacchino "Retrospective study of correlation between balance assessed with computerized dynamic stabilometric and patient reported outcomes in people with Multiple Sclerosis." SIRN 2019 – Perugia 2. A. Tacchino, "Physical, cognitive and social monitoring towards self-management delivery in patient with multiple sclerosis." RIMS 2019 – Ljubljana 3. A. Tacchino, "From motor-cognitive to social aspects in MS." FISM meets IIT workshop 2019 – Genova 4. A. Tacchino, "Tecnologia: dalla robotica alla realtà virtuale." Convegno: La riabilitazione della Sclerosi multipla: dalla presa in carico alle tecnologie innovative – Fondazione Don Carlo Gnocchi Onlus, Firenze - (<i>Invited</i>) 5. A. Tacchino, "Patient-Reported Outcomes (cosa sono, come vengono utilizzati)" GIORNATA NAZIONALE SISM 2019 – Bologna - (<i>Invited</i>) 6. A. Tacchino, L. Pellegrino, G. Stranieri, G. Bricchetto, M. Coscia, M. Casadio, "Kinematics, muscular activity and spinal maps activation during activities of daily living: new hints for MS rehabilitation". SigMobility RIMS 2019 - Tel Aviv 7. A. Tacchino, "Task-oriented rehabilitation in Multiple Sclerosis: technological solutions for motor evaluation".
	<p>SigOccupation RIMS 2019 - Genoa - (<i>Invited</i>)</p> <ol style="list-style-type: none"> 8. A. Tacchino, J. Podda, "Neuropsychological Rehabilitation – Cognitive Training and other Techniques" (Practical Session). Workshop RIMS 2019 – Milan - (<i>Invited</i>) 9. A. Tacchino, "Ruolo dello psicologo nell'aderenza al trattamento (farmacologico e riabilitativo)" 11° CONVEGNO NAZIONALE RETE PSICOLOGI 2019 – Roma - (<i>Invited</i>)
2018	<ol style="list-style-type: none"> 1. A. Tacchino, "Long term motor-cognitive monitoring in MS." RIMS 2018 – Amsterdam 2. A. Tacchino, L. Pedullà, P. Canepa, L. Bonzano, C. Monteleoni, M.A. Battaglia, G. Bricchetto, M. Bove, "Wind of Change: an Italian initiative to promote water sports in people with multiple sclerosis". SigMobility RIMS 2018 - Glasgow
2017	<ol style="list-style-type: none"> 1. A. Tacchino, S. Fiorini, M. Ponzio, A. Barla, A. Verri, G. Bricchetto, "Predizione del decorso di malattia nella Sclerosi Multipla. Un approccio con tecniche di Machine Learning." SIRN 2017 – Pisa 2. A. Tacchino, M. Babazadeh, G.L. Mancardi, G. Bricchetto, "The effect of yoga in people with Multiple Sclerosis." RIMS 2017 – Barcelona, Spain 3. A. Tacchino, "Il punto di vista dell'end-user" CTI Liguria – Genova - (<i>Invited</i>) 4. A. Tacchino, "Strategie di utilizzo delle nuove tecnologie per la valutazione dei disturbi cognitivi" 9° CONVEGNO NAZIONALE RETE PSICOLOGI 2017 – Roma - (<i>Invited</i>) 5. A. Tacchino, L. Pedullà, A. Bisio, L. Bonzano, M. Bove, M.A. Battaglia, G. Bricchetto, "Sviluppo di un core- outcome set per la valutazione della scrittura in persone affette da Sclerosi Multipla." SIMFER 2017 – Genova 6. A. Tacchino, S. Fiorini, M. Ponzio, A. Barla, A. Verri, M.A. Battaglia, G. Bricchetto, "Multiple Sclerosis disease course prediction: a machine learning model based on patient reported and clinician assessed outcomes." ECTRIMS 2017 – Paris, France
2016	<ol style="list-style-type: none"> 1. A. Tacchino, "Nuove tecnologie al servizio della riabilitazione" 2° NaplesMeeting 2016 – Naples - (<i>Invited</i>)
2015	<ol style="list-style-type: none"> 1. A. Tacchino, G. Bricchetto, "L'equilibrio personalizzato" Festival della Scienza 2015 – Genova 2. A. Tacchino, L. Pedullà, C. Vassallo, L. Bonzano, M.A. Battaglia, M. Bove, G. Bricchetto, "Riabilitazione cognitiva nella Sclerosi multipla: Self-management della malattia: una applicazione mobile per il training cognitivo domiciliare" SIN 2015 - Genova 3. A. Tacchino, M.A. Battaglia, M. Bove, L. Pedullà, G. Bricchetto, "Mentally simulated motor actions in neurorehabilitation. A pilot study in Multiple Sclerosis". The CONSORTIUM of Multiple Sclerosis Centers 2015 – Indianapolis, Indiana 4. A. Tacchino, F. Pavan, E. Pedrazzoli, R. Verza, G. Cancellieri, F. Coaro, M.A. Battaglia, G. Bricchetto, "Effetto dell'osservazione di azioni sul cammino in persone con Sclerosi Multipla". SIRN 2015 – Novara 5. A. Tacchino, G. Bricchetto, Workshop: "Biofeedback Treatments: Videos and data from recent studies" 20th Annual RIMS Conference 2015 - Milan - (<i>Invited</i>) 6. A. Tacchino, M.A. Battaglia, M. Bove, L. Pedullà, G. Bricchetto, "Mentally simulated motor actions in neurorehabilitation. A pilot study in Multiple Sclerosis" 20th Annual RIMS Conference 2015 - Milan 7. A. Tacchino, E. d'Amico, M. Ponzio, S. Facchinetti, G. Bricchetto, M. Bulgheroni, "Predisposition and motivation assessment in using technologies in multiple sclerosis. A questionnaire on a wearable tool for unobtrusive motor and cognitive monitoring" 20th Annual RIMS Conference 2015 - Milan
2014	<ol style="list-style-type: none"> 1. A. Tacchino, G. Bricchetto, R. Teodorescu, L. Roccatagliata, G. Bommarito, C. Cordano, G.L. Mancardi, M.A. Battaglia, M. Inglese – "Brain activity during mental imagery in Multiple Sclerosis" SIPF 2014 - Firenze

	<ol style="list-style-type: none"> 2. A. Tacchino, G. Bricchetto, L. Pedullà, "Il recupero del tempo perduto - La sclerosi multipla e le frontiere della neuroriabilitazione" Festival della Scienza 2014 - Genova 3. A. Tacchino, "Riabilitazione cognitiva nella Sclerosi Multipla - Un trattamento personalizzato intensivo a domicilio tramite un'applicazione per tablet non commerciale." SIMFER 2014 - Torino 4. A. Tacchino, "Social cognition decline in Multiple Sclerosis. Evidences from intention recognition" The CONSORTIUM of Multiple Sclerosis Centers 2014 - Dallas, Texas 5. A. Tacchino, "Impairment in motor imagery progressively increases with Multiple Sclerosis disease evolution" The CONSORTIUM of Multiple Sclerosis Centers 2014 - Dallas, Texas 6. A. Tacchino, "L'immaginazione motoria nella locomozione è preservata in persone con Sclerosi Multipla? Uno studio pilota." SIRN 2014 - Genova 7. A. Tacchino, "Immaginazione motoria nella Sclerosi Multipla: dipendenza dall'evoluzione della malattia" SIRN 2014 - Genova
2013	<ol style="list-style-type: none"> 1. A. Tacchino, G. Bricchetto, L. Pedullà, "La Bellezza Indispensabile" Festival della Scienza 2013 – Genova 2. A. Tacchino, "Effects Of Action Observation On Gait In Patients With Multiple Sclerosis A Pilot Study" The CONSORTIUM of Multiple Sclerosis Centers 2013 - Orlando, Florida 3. A. Tacchino, "La Bioingegneria nella Terapia Occupazionale: passato, presente, futuro" IV Congresso nazionale di Terapia Occupazionale – Roma 4. A. Tacchino, "Il possibile ruolo delle Neuroscienze nella Terapia occupazionale del futuro" IV Congresso nazionale di Terapia Occupazionale – Roma
2012	<ol style="list-style-type: none"> 1. A. Tacchino, "A new tool to evaluate superior arm movement in Multiple Sclerosis subjects during rehabilitation" The CONSORTIUM of Multiple Sclerosis Centers 2012 – San Diego, California 2. A. Tacchino, G. Bricchetto, F. Lugaro, D. Nevoso, "Riabilitare immaginando" Festival della Scienza 2012 – Genova 3. A. Tacchino, "Mentally simulated motor actions in neurorehabilitation: a new protocol for patients with Multiple Sclerosis" SIRN 2012 - Milano

CHAIRMAN POSITION

2019	1. SigMobility RIMS 2019 – Tel Aviv
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PROJECTS

2022	1. PARTICIPANT - Psychometric properties of patient reported questionnaires assessing dual-task difficulties in daily life in persons with MS: an international multi-center study. (Funded by RIMS in 2022)
2021	1. PARTICIPANT - Validating digital mobility assessment using wearable technology – the Mobilise-D MS STUDY. (Funded by The Newcastle upon Tyne Hospitals NHS Foundation Trust (NuTH)).
2020	<ol style="list-style-type: none"> 1. COINVESTIGATOR - To evaluate the activity and the efficacy of traditional swallowing therapy (TST) plus neuromuscular electrostimulation (NMES) vs TST plus sham NMES in MS patients with dysphagia (Funded by FISM in 2017) 2. PARTICIPANT - Can action observation and motor imagery training cause fatigability in MS? Assessment of their feasibility in the progressive forms. (Funded by FISM in 2019)
2019	1. UNIT RESPONSIBLE - Multiple Sclerosis Fitness Intervention Training with Pilates exercises (MS-FIT) (Funded by FISM in 2018 – Special Call)
2018	<ol style="list-style-type: none"> 1. COINVESTIGATOR - MAppingMS Mobile Application for monitoring of motor-cognition-emotion in Multiple Sclerosis (Funded by FISM in 2018 – Special Call) 2. COINVESTIGATOR - Monitoring and integrating the rehabilitative process of persons with multiple sclerosis by means of a prosthetic aid with biofeedback (Funded by FISM in 2018) 3. UNIT RESPONSIBLE - Using home-based exergames to improve cognitive function in multiple sclerosis a multicenter, randomized, non-inferiority trial (Funded by FISM in 2018) 4. COINVESTIGATOR - Costs of comorbidity and cost-effectiveness analysis of an integrated collaborative care program in multiple sclerosis people (Funded by FISM in 2018)
2017	1. COINVESTIGATOR - Unraveling early walking dysfunction in non-disabled MS people: clinical and instrumental assessment of disease progression and potential therapeutic interventions (Funded by FISM in 2017)

	2. UNIT RESPONSIBLE - Home-based, computer-assisted cognitive rehabilitation for attention in pediatric onset Multiple Sclerosis using a new dedicated software: a pilot multicenter study (Funded by FISM in 2017 – Special Call)
2016	1. COINVESTIGATOR - Cognitive-motor interference in persons with MS: dual task assessment & training. A multi-center study (MCS-IV-CMI&DTT) (Funded by RIMS in 2016)
2015	<ol style="list-style-type: none"> 1. COINVESTIGATOR - Re-writing in multiple sclerosis: a novel approach to evaluate and cope with the writing deterioration in patients with multiple sclerosis (Funded by FISM in 2015) 2. COINVESTIGATOR - Aerobic training as substrate for neural plastic changes in multiple sclerosis: a putative disease-modifying treatment? (Funded by ARSEP in 2015) 3. COINVESTIGATOR - Structural and functional brain MRI correlates of upper limb neurorehabilitation in patients with progressive MS (Funded by FISM in 2015 – Special Call) 4. COINVESTIGATOR - Early DETECTION of Multiple Sclerosis progression driven by clinical scales and Patient Reported Outcome (DETECT-MS PRO) (Funded by FISM in 2015)
2014	<ol style="list-style-type: none"> 1. COINVESTIGATOR - Psychometric properties of outcome measures for upper limb function, in multiple sclerosis: a multi-center study (MCS-III-UL) (Funded by RIMS in 2014) 2. COINVESTIGATOR - Psychometric properties of outcome measures for mobility, in multiple sclerosis: a multi-center study (MCS-III-MOB) (Funded by RIMS in 2014)
2013	1. COINVESTIGATOR - A new functional PROFILE to MONitor the PROgression of disability in Multiple Sclerosis PROMOPRO-MS (Funded by FISM in 2013 – Special Call)
2012	1. COINVESTIGATOR - L'impatto della riabilitazione motoria e cognitiva sulle proprietà dinamiche della struttura cerebrale: verso la personalizzazione di interventi terapeutici in pazienti affetti da Sclerosi Multipla (Funded by FISM in 2011)
2011	1. COINVESTIGATOR – Progettazione e realizzazione di una stampella ingegnerizzata per la valutazione della stabilità posturale e del recupero funzionale nella riabilitazione del cammino attraverso tecniche di biofeedback acustiche e tattili (Funded by POR Liguria in 2011)
2008	1. PARTICIPANT - Rehabilitation impact on the social cost and on the quality of life in MS as a model of physical disability (Funded by Health Italian Minister in 2008)
2005	1. PARTICIPANT - Transcallosal inhibition in patients with multiple sclerosis (Funded by FISM in 2004)