

Ambra Bisio

Associate Professor

EDUCATION AND TRAINING

1 JANUARY 2008 – 27 APRIL 2011

PhD in Robotics, Neuroscience and Nanotechnology

Title of the thesis: Imitation in healthy subjects and in Alzheimer's disease patients: role of social context, attentional mechanisms and motor competencies

University of Genoa – Genoa (Italy). Sponsored by the Italian Institute of Technology

SEPTEMBER 2004 – 28 SEPTEMBER 2007

Master's Degree in Bioengineering

University of Genoa – Genoa (Italy)

SEPTEMBER 2000 – 20 DECEMBER 2004

Bachelor's degree in Biomedical Engineering

University of Genoa – Genoa (Italy)

PROFESSIONAL HISTORY

1 DECEMBER 2024 – PRESENT

Associate Professor of Physical Training Sciences and Methodology

University of Genoa, Department of Experimental Medicine – Genoa (Italy)

1 DECEMBER 2021 – 30 NOVEMBER 2024

Tenure-track Assistant Professor of Physical Training Sciences and Methodology (RTD-B)

University of Genoa, Department of Experimental Medicine – Genoa (Italy)

1 SEPTEMBER 2019 – 30 NOVEMBER 2021

Fixed-term Assistant Professor of Physical Training Sciences and Methodology (RTD-A)

University of Genoa, Department of Experimental Medicine – Genoa (Italy)

3 NOVEMBER 2014 – 31 MAY 2019

Postdoctoral Researcher

University of Genoa, Department of Experimental Medicine – Genoa (Italy)

2 NOVEMBER 2012 – 1 NOVEMBER 2014

Postdoctoral Researcher

University of Genoa, Department of Neurology, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health – Genoa (Italy). Sponsored by Polo di Ricerca e Innovazione Si4Life

1 MARCH 2012 – 31 OCTOBER 2012

Scientific Consultant

Italian Multiple Sclerosis Foundation – Genoa (Italy)

1 MAY 2011 – 29 FEBRUARY 2012

Junior Postdoctoral Researcher

Italian Institute of Technology – Genoa (Italy)

1 JANUARY 2011 – 30 APRIL 2011

Research Fellow

Italian Institute of Technology – Genoa (Italy)

ACADEMIC APPOINTMENTS

NOVEMBER 2024 – present

Member of the Research Commission of the Department of Experimental Medicine

University of Genoa, Department of Experimental Medicine – Genoa (Italy)

FEBRUARY 2021 – present

Member of the Web Site Commission of the Department of Experimental Medicine

University of Genoa, Department of Experimental Medicine – Genoa (Italy)

FEBRUARY 2022 – present

Member of the Didactic-Pedagogical Programming Technique Commission, Quality Assurance Commission, and ERASMUS Commission of the Sport Science Courses (L/22, LM/67, LM/68)

University of Genoa – Genoa (Italy)

FEBRUARY 2022 – present

Member of the Quality Assurance Commission of the Podiatry Course

University of Genoa – Genoa (Italy)

A.A. 2020/2021 – present

Member of the Academic Board of PhD Program in Neuroscience – Curriculum Motor and Sport Science

University of Genoa, Department of Neurology, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health – Genoa (Italy)

OCTOBER 2020 – present

Member of the “Commissione Paritetica docenti-studenti” of the School of Medical and Pharmaceutical Sciences

University of Genoa – Genoa (Italy)

EXPERIENCE

MAIN SEMINARS

16-17/07/2025 fNIRS Italy Conference

Member of the organizing and scientific committee

Held at the University of Genoa, Italy

19/03/2025 The effect of motor imagery practice on cortical plasticity, motor learning and perceived fatigability in multiple sclerosis

Oral presentation within the symposium “Motor imagery training and its neurofunctional mechanisms”

Congress “Dimensions of Motor Control – Sport, Health, Development, Robotics”

04/09/2024 SIPP-SISMES joint symposium: the perception of effort and fatigability as a limitation to performance

Organizer and chair of the symposium. The symposium was held under the patronage of SISMES

XXXII National Congress of the Italian Society of Psychophysiology and Cognitive Neuroscience

04/05/2023 Aerobic activity and neuroplasticity: implication for MS

Invited speaker at the Teaching Course “Physical activity and Sport in MS”

28th Annual RIMS Conference

08/11/2029 Quantitative evaluation of handwriting movement in Multiple Sclerosis: kinematic description and neuroimaging correlates

Invited speaker at the Special interest group occupation meeting” titled “Transforming knowledge on technology into relevance for clinical practice”

Rehabilitation in Multiple Sclerosis society

29/10/2016 Cognitive and motor functions in the aging brain: from assessment to empowerment

Organizer of the symposium and speaker. Title of the presentation: Motor cognition in healthy and pathological aging: a study on motor imitation in Alzheimer’s disease

XXIV National Congress of the Italian Society of Psychophysiology

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

2022 - 2025 Testing the efficacy of remote, sustainable empowerment protocols in promoting psycho-physical well-being in the life-span

Competitive call of the Italian Ministry of Research - PRIN 2022. Coordinator of the UNIGE unit
University of Genoa – Genoa (Italy)

2022 - 2024 PROprioception in AGEing – PROPAGE

Competitive call Curiosity Driven 2021. Principal investigator
University of Genoa – Genoa (Italy)

2020 Can action observation and motor imagery training cause fatigability in MS? Assessment of their feasibility in the progressive forms (2019/R-Multi/007)

Competitive call of the Italian Multiple Sclerosis foundation - FISM 2019. Principal investigator

University of Genoa – Genoa (Italy)

2015 Re-writing in multiple sclerosis: a novel approach to evaluate and cope with the writing deterioration in patients with multiple sclerosis (2014/R/5)

Competitive call of the Italian Multiple Sclerosis foundation - FISM 2014. Principal investigator

University of Genoa – Genoa (Italy)

TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES

21/01/2025 – 23/01/2025 Visiting Professor within the Erasmus+ Programme KA103 – Staff Mobility for Teaching Assignment

Eight hours of lectures were delivered on the topics of motor learning mechanisms and cortical plasticity in the context of physical exercise. The audience consisted of students enrolled in Master's degree programs in Exercise and Sport Sciences, as well as attendees from the Doctoral School.

Institut des Sciences et Techniques des Activités Physiques et Sportives (STAPS), Université de Bourgogne, Dijon, France

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

07/04/2025 National Scientific Qualification as Full Professor in sector 06/MEDF-01, Sciences of physical exercise and sports

2023 - 2025 Member of the Board Director of the “Italian Society of Psychophysiology and Cognitive Neuroscience - SIPF”

2025 - present Member of the “European College of Sport Science - ECSS”

2019 - present Member of the “Italian Society of Motor and Sport Science - SISMES”

OTHER EXPERIENCES

1/11/2022 – present Supervisor of one PhD student

38th cycle

University of Genoa – Genoa (Italy)

10/07/2024 – 9/08/2025 Scientific supervisor of one post-doctoral researcher

Research Fellow on the PRIN 2022 project

University of Genoa – Genoa (Italy)

27/11/2023 – 31/12/2024 Scientific supervisor of one post-doctoral researcher

Research Fellow on the PROPAGE project

University of Genoa – Genoa (Italy)

1/11/2020 – 31/07/2023 Supervisor of one PhD student

35th cycle. Dissertation titled: “Weight perception during action observation: the role of motor skills and abilities”

University of Genoa – Genoa (Italy)

1/09/2020 – 31/08/2021 Scientific supervisor of one post-doctoral researcher

Research Fellow on the FISM project 2019/R-Multi/007

University of Genoa – Genoa (Italy)