



Pietro Cianchetta

Nationality: Italian **Date of birth:** 21/06/1999 **Place of birth:** Narni (TR), Italy **Gender:** Male

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WORK EXPERIENCE

 **University of Bologna, Department of Biomedical and Neuromotor Sciences** – Bologna (BO), Italy

Research Fellow (Assegnista di ricerca)

[01/05/2026 – 31/10/2026]

-Supervisor: Rossella Breveglieri, Patrizia Fattori

-Research areas

1. Neurophysiology of human attention
2. Neurophysiology of motor systems
3. Neurophysiology of eye movements
4. Neuroplasticity induction using Transcranial Magnetic Stimulation (TMS)

-Supplementary teaching activity

1. Laboratory teaching support: "Experimental approaches to brain and behaviour" (3 cfu) | "Neurobiotechnology" (3 cfu)
2. Assistance in thesis supervision

Research Fellow (Assegnista di ricerca)

[01/05/2025 – 30/04/2026]

-Supervisor: Matteo Cerri

-Research areas

1. Neurophysiology of human attention and motor systems
2. Neurophysiology of eye movements
3. Neuroplasticity induction using Transcranial Magnetic Stimulation (TMS)
4. The role of museums and figurative arts in psychological and physiological well-being

-Supplementary teaching activity

1. Laboratory teaching support: "Experimental approaches to brain and behaviour" (3 cfu) | "Neurobiotechnology" (3 cfu)
2. Assistance in thesis supervision

 **University of Bologna, Center for Studies and Research in Cognitive Neuroscience** – Cesena (FC), Italy

Postgraduate Research Internship

[11/2024 – 04/2025]

-Supervisor: Sara Borgomaneri

-Research areas

1. Neuroscience of Facial Emotion Recognition
2. Neuroscience of aging
3. Neuroplasticity induction using Transcranial Magnetic Stimulation (TMS)

 **Alzheimer Association Rimini** – Rimini (RN), Italy

Postgraduate Clinical Internship

[11/2024 – 10/2025]

Professionalization areas

1. Cognitive stimulation and social support of patients affected by Mild and Major Neurocognitive Disorders

2. Biopsychosocial analysis of difficulties, resilience, and coping strategies following the diagnosis of Mild and Major Neurocognitive Disorders
3. Support activities using reminiscence and music for individuals with Mild and Major Neurocognitive Disorders

INTERNATIONAL EXPERIENCE

[24/02/2026 – 28/03/2026]

Secondment period: Philipps-Universität Marburg – Department of Neurophysics - (Germany)

- **Supervisor:** Frank Bremmer
- **Research areas:** Postural responses and predictive coding
- **Methods and instruments:** Virtual reality, Electroencephalography, Eye-tracking, Motion capture system

EDUCATION AND TRAINING

MSc in Neuroscience and Neuropsychological Rehabilitation

University of Bologna [2022 – 2024]

City: Cesena (FC) | Country: Italy

Thesis: Plastic Enhancement of Temporo-Occipital Connections Improves Recognition of Emotional Facial Expressions in Older Adults: A ccPAS/EEG Study

Supervising Professor: Sara Borgomaneri

Final grade: 110/110 Cum Laude

BSc in Philosophy and Sciences and Techniques of Psychology

University of Perugia [2018 – 2021]

City: Perugia (PG) | Country: Italy

Thesis: Intentionality and Consciousness: The Gap Between Human Thought and Artificial Intelligence

Supervising Professor: Francesco Federico Calemi

Final grade: 110/110 Cum Laude

PUBLICATIONS

ccPAS-induced modulation of Hebbian plasticity reveals the role of connections from hV6A to DLPFC in attentional shifting In prep. *Equal contribution

Cianchetta, P.*, Sabbatoli, E.*, Brandolani, R., Avenanti, A., Galletti, C., Fattori, P. & Breveglieri, R.

Mapping Cortical Control of Vergence Eye Movements using rTMS: An Exploratory Study In prep.

Caziot, B., Brandolani, R., Cianchetta, P., Sabbatoli, E., Fattori, P. & Breveglieri, R.

The Influence of Emotions on the Stop-Stimulus Association: A TMS and Stop Signal Task Study In prep.

Però, L., Ippolito, G., Cianchetta, P., Quettier, T., & Borgomaneri, S.

Effects of Facial Manipulation on the Discrimination of Emotional Authenticity In prep.

Quettier, T., Cianchetta, P., Caruana, F., Scarpazza, C. & Borgomaneri, S.

Event-Related Potentials and Behavioural Evidence of Facial Emotion Recognition in Healthy and Pathological Aging: A Systematic Review In prep.

Però, L., Cianchetta, P., Fiumana, T., Di Gregorio, F., Thut, G., & Borgomaneri, S.

Enhancing Temporo-Occipital Projections Improves Facial Emotion Recognition in Older Adults: A ccPAS/EEG study. In prep.

Però, L., Di Gregorio, F., Cianchetta, P., Fiumana, T., Romei, V., Avenanti, A., & Borgomaneri, S.

ORAL PRESENTATIONS

[05/02/2026]

Search for a Shared Semantic Framework between Artistic and Neuroscientific Categories

Oral presentation during the opening of the exhibition "Geografie Irregolari", Bologna

[10/10/2025]

The Contribution of Artistic and Museum Experiences to Mental and Physiological Well-Being

Oral presentation during the final event of the World Mental Health Day, Bologna.

CONFERENCES AND SEMINARS

[15/12/2025] Bologna

MNESYS – Spoke 4 Final Meeting Final meeting for project results dissemination

SKILLS

Lab and projects management

Experimental design planning / Experimental setup and task programming / Preparation and management of experimental sessions / Behavioural and physiological data collection and management / Statistical analysis / Data reporting / Scientific paper writing / Literature analysis and reference management / Systematic literature review

Programming, data processing, and statistical analysis tools

Matlab / R (RStudio) / Psychtoolbox Matlab / FieldTrip Matlab toolbox / EEGLAB MatLab toolbox / Jamovi / IBM SPSS Statistic / Jasp

Microsoft Office

Word / Excel / Powerpoint

Literature analysis and references management

Google Scholar / Scopus / PubMed / Web of Science / Zotero / Mendeley / Rayyan

Administration and scoring of cognitive and psychological tests

Mini-Mental State Examination (MMSE) / Interpersonal Reactivity Index (IRI) / Toronto Alexithymia Scale (TAS)

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s): English

NEUROSCIENTIFIC INSTRUMENTS AND TECHNIQUES

Electromyography (EMG)

Setup and recording

Electroencephalography (EEG)

1. Cap setup
2. Signal monitoring
3. Data processing

Transcranial Magnetic Stimulation (TMS)

1. Motor threshold determination
2. TMS-EMG combination: MEP, SICI, ICF, and SIHI
3. ccPAS, ccPAS-EEG and rTMS protocols
4. Computerized Neuronavigation (SoftTaxic, CORTEXPLORE)

Eye-tracker (EYELINK, NEON)

1. Pupil size and ocular movements registration
2. Pupil size data analysis

Motion capture system for kinematic data acquisition (VICON, KINECT)

1. Setup and recording
2. Data processing

Administration of electrocutaneous stimulation (Digitimer)

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

31/03/2026

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