

ANTONIO (ANTONELLO) PELLICANO
CURRICULUM VITAE ET STUDIORUM
(Artt. 46 e 47 del D.P.R. 28.12.2000, n. 445)

INDICI BIBLIOMETRICI (FONTE: SCOPUS, 15.02.2026)

Sum of Citations:	576
Citing articles:	433
Co-Authors	68
h-index:	14

FORMAZIONE

- 12 Dicembre 2023: Abilitazione Scientifica Nazionale (ASN) alle funzioni di professore universitario di prima fascia, settore concorsuale 11/E1 psicologia generale, psicobiologia e psicometria, sesto quadrimestre, bando D.D. 589/2021, validità 12/12/2035.
- 27 Luglio 2023: Esame di Stato di abilitazione all'esercizio della professione di Psicologo (Albo A, D.P.R- 328/2001), anno 2023, I sessione, Università di Enna "KORE", Enna (Italia), voto 100/100.
- 27 Giugno 2018: Abilitazione accademica tedesca con il conferimento della "Venia Legendi" in Psicologia e del titolo di "Privat Dozent", RWTH Aachen University. Tesi di abilitazione: "The spatial coding of visual objects investigated through Stimulus-Response Correspondence effects".
- 27 Novembre 2017: Abilitazione Scientifica Nazionale (ASN) alle funzioni di professore universitario di seconda fascia, settore concorsuale 11/E1 psicologia generale, psicobiologia e psicometria, terzo quadrimestre, bando D.D. 1532/2016, validità 27/11/2029.
- 24 Febbraio 2005: Diploma di Dottore di Ricerca in Scienze Cognitive, Facoltà di Psicologia, Università di Padova. Tesi di Dottorato: "Stimulus-Response and Stimulus-Stimulus Short-Term-Memory Links in the Simon Effect".
- 20 Febbraio 2001: Laurea in Psicologia, Università di Urbino, 110/110 con dichiarazione di lode. Tesi di Laurea: "Preattivazione dei due emisferi cerebrali in un compito di elaborazione di stimoli linguistici e spaziali".

POSIZIONE ATTUALE

Dal 5 Ottobre 2025

Professore Associato, Dipartimento di Scienze della Formazione (DISFOR), Università di Catania.

Responsabilità scientifiche ed amministrative:

- Responsabile scientifico dello: “[*Human Performance and Objects Processing Laboratory*](#)” (psicologia cognitiva e neuroscienze cognitive).
- Componente del Collegio dei Docenti del Dottorato di Ricerca in: “*Processi formativi, modelli teorico-trasformativi e metodi di ricerca applicati al territorio*” (Educational processes, theoretical-transformative models and research methods applied to the territory) – area Psicologia Generale.
- Componente del centro di ricerca interdipartimentale: “Tutela e benessere delle giovani generazioni” (Direttore: Prof. Francesco Paterniti).
- Incarichi di didattica certificata; membro di commissioni di esami, tesi di laurea, assegni di ricerca.
- Supervisore scientifico di tirocini formativi curriculari.

Altro: Membro di Commissioni registrazione esiti, Tirocinio Formativo Attivo (TFA) Sostegno.

POSIZIONI PRECEDENTI

5 Ottobre 2022 – 4 Ottobre 2025

Tenure-track Professor, RTDB, Dipartimento di Scienze della Formazione (DISFOR), Università di Catania.

Responsabilità scientifiche ed amministrative: come sopra.

1 Gennaio 2016 – 31 Luglio 2022

Vice Direttore, Sektion für Klinische Kognitionswissenschaften Neurologische Klinik, (Division for Clinical Cognitive Sciences – CCS, Department of Neurology Medical Faculty), RWTH Aachen University (Germany).

Responsabilità scientifiche ed amministrative:

- Sviluppo e implementazione del piano di ricerca del CCS.
- Supervisione dei progetti di ricerca.
- Responsabile scientifico dei laboratori: [CCS behavioural laboratory](#) e [CCS Non-invasive Brain Stimulation Laboratory](#)
- Insegnamento/tutor in corsi di laurea e dottorati di ricerca.
- Scrittura/coordinamento della stesura di applicazioni per finanziamenti europei a progetti di ricerca.
- Promozione e sviluppo della cooperazione con gruppi di ricerca e istituzioni internazionali.

1 Settembre 2010 – 31 Dicembre 2015

Ricercatore presso: Sektion für Klinische Kognitionswissenschaften, Neurologische Klinik, (Division for Clinical Cognitive Sciences, Department of Neurology Medical Faculty), RWTH Aachen University (Germany). (Prof. F. Binkofski).

- 1 Maggio 2009 – 30 Aprile 2010 Assegno di ricerca post-doc finanziato da: European project ROSSI Emergence of communication in RObots through Sensorimotor and Social Interaction (7th framework programme, Cognitive Systems and Robotics). Università di Bologna. (Prof. A. M. Borghi, Prof. R. Nicoletti).
https://cordis.europa.eu/project/rcn/85547_en.html
- 1 Gennaio 2006 – 31 Dicembre 2008 Assegno di ricerca post-doc: “Analisi dei rapporti tra stimolo e risposta in compiti di percezione visiva”, Dipartimento di Discipline della Comunicazione, Università di Bologna. (Prof. R. Nicoletti).
- 1 Ottobre 2003 – 30 Settembre 2004 Research Scholar: Human Performance Labs, Department of Psychological Sciences, Purdue University ,USA (Prof. Robert W. Proctor).
- Marzo 2001 – Marzo 2002 Tirocinio presso il Dipartimento di Psicologia dello Sviluppo e della Socializzazione, Facoltà di Psicologia, Università di Padova.

CONCORSI PER CATTEDRE (selezione)

- 23 Novembre 2022 University of Milano “La Statale”. Assistant Professor. Academic Discipline: Psychobiology, Physiological Psychology (11/E1, M-PSI/02). Rank 2.
- 7 Giugno 2022 University of Padova. Assistant Professor. Academic Discipline: General Psychology (11/E1, M-PSI/01). Rank 3.
- 28 Marzo 2022 University of Trento. Assistant Professor. Academic Discipline: General Psychology (11/E1, M-PSI/01). Rank 2.
- 21 Luglio 2021 St. Mauritius Therapieklinik, Meerbusch-Düsseldorf, Germany. Head of Research & Development. Rank 2.
- 24 Giugno 2020 Department of Cognitive Science, Nicolaus Copernicus University, Toruń, Poland. Full Professor. Offer rejected.

INTERESSI DI RICERCA

PSICOLOGIA COGNITIVA, NEUROSCIENZE COGNITIVE

Objects processing in individual and social contexts.

- Action coding and motor affordances (behavioural investigations; fMRI: multivariate pattern analysis MVPA and Predictive Pattern Decomposition).
- Hands and Tools processing (behavioural investigations; fMRI and fNIRS: multivariate pattern analysis MVPA)
- The relationship between motor affordances and spatial coding (TMS, behavioural investigations).
- Robotic and Humanoid Actions (behavioural, fMRI investigations).

Action Selection and Stimulus-Response Compatibility (behavioural).

- The time-course of Stimulus-Response Compatibility effects (Reaction and Movement times).
- Motor training and spatial performance.
- Motor learning in Apraxia.

Language.

- Embodied Negation in Language (TMS).
- Semantic spatial coding in words (behavioural).

Attention (behavioural).

- Face-to-face interactions: Effects of face emotions and gaze on visual attention.

Mirror Neurons Systems.

- Respiratory function and Mirror Neurons System for walking (fMRI-physiological measures).

Brain Plasticity and Connectivity.

- Plasticity in the motor system: magnetic resonance spectroscopic measurement of GABA (fMRS).
- Fronto-striatal connectivity (combined PET and TMS).

Neural underpinnings of social interactions.

- Interacting humans - synchronized brains (fMRI Hyperscanning).
- Cooperation and competition in the brains – the social Simon effect (fMRI Hyperscanning, behavioural).

PUBBLICAZIONI

1. Mertens, M., Binkofski, F., Leitão, B., Grij, B., Rodriguez-Raecke, R., Schüppen, A., **Pellicano, A.**, Lorentz, L., & Sijben, R. (2025). Peripersonal and extrapersonal space encoding in virtual reality: Insights from an fMRI study. *NeuroImage*, 317, 121325. <https://doi.org/10.1016/j.neuroimage.2025.121325>
2. Shaikh, U. J., Binkofski, F., & **Pellicano, A.** (2025). Location Coding of Tool-Object Pairs Based on Perceptual Grouping: Evidence from Object-Based Correspondence Effect. *Journal of Cognition*, 8(1): 24, pp. 1-16. <https://doi.org/10.5334/joc.435>
3. Lederer, K., Fimm, B., Munzert, J., Reiser, M., Maurer, H., Binkofski, F., **Pellicano, A.** (2025). Differential affection of the visual information sub-streams in a patient with visual agnosia. *Frontiers in Psychology* 16:1452979. <https://doi.org/10.3389/fpsyg.2025.1452979>
4. Breuer, E. O., Binkofski, F. C., **Pellicano, A.** (2025). The Parallel Architecture – application and explanatory power for neurolinguistic research. *Frontiers in Language Sciences* 3:1380990. <https://doi.org/10.3389/flang.2024.1380990>
5. Torrisi, M. M., **Pellicano, A.** (2024). L’elaborazione di oggetti afferrabili accoppiati a mani egocentriche: uno studio sull’effetto di corrispondenza manico-mano. *Annali della Facoltà di Scienze della formazione, Università degli studi di Catania*, 23, 171-188. <https://doi.org/10.58035/unict-asdf.23.2024.11>
6. Coco, M., Di Pasquale, F., **Pellicano, A.** (2024). Knowledge over time of action codes for perceived objects: An exploratory study on developmental children. *Brain Sciences*, 14(9), 854. <https://doi.org/10.3390/brainsci14090854>
7. Shaikh, U. J.*, **Pellicano, A.***, Schüppen, A., Winz, O., Heinzl, A., Mottaghy, F., Binkofski, F. (2023). Increasing Striatal dopamine release through repeated bouts of theta burst Transcranial Magnetic Stimulation of the Left Dorsolateral Prefrontal Cortex. A 18F-DesmethoxyFallypride Positron Emission Tomography study. *Frontiers in Neuroscience*. <https://www.frontiersin.org/articles/10.3389/fnins.2023.1295151> *shared first authorship
8. Abel, M., Kuz, S., Patel, H. J., Petruck, H., Klann, J., Schlick, C. M., Schüppen, A., **Pellicano, A.***, Binkofski, F.* (2022). Anthropomorphic or non-anthropomorphic? – Effects of biological sex in observation of actions in a digital human model and a gantry robot model. *Frontiers in Neurorobotics*. <https://www.frontiersin.org/articles/10.3389/fnbot.2022.937452/full> *shared last authorship
9. **Pellicano, A.**, & Binkofski, F. (2021). The prominent role of perceptual salience in object discrimination: Overt discrimination of graspable side does not activate grasping affordances. *Psychological Research*, 85, 1234-1247. <https://doi.org/10.1007/s00426-020-01296-2> (first published online 2020)
10. **Pellicano***, A., Mingoia*, G., Ritter, C., Buccino, G., Binkofski, F. (2021). Respiratory function modulated during execution, observation, and imagination of walking via SII. *Scientific Reports*, 11:23752. <https://doi.org/10.1038/s41598-021-03147-5> *shared first authorship (first published online 2021)
11. Papitto, G., Lugli, L., Borghi, A. M., **Pellicano***, A., Binkofski*, F. (2021). Embodied negation and levels of concreteness: A TMS study on German and Italian language processing. *Brain Research*, <https://doi.org/10.1016/j.brainres.2021.147523> *shared last authorship

(first published online 2021)

12. Willms, S., Abel, M., Karni, A., Gal, C., Doyon, J., King, B. R., Classen, J., Rumpf, J.-J., Buccino, G., **Pellicano, A.**, Klann, J., Binkofski, F. (2021). Motor sequence learning in patients with ideomotor apraxia: Effects of long-term training. *Neuropsychologia*, 159. <https://doi.org/10.1016/j.neuropsychologia.2021.107921>
(first published online 2021)
13. Abel, M., Kuz, S., Patel, H. J., Petruck, H., Schlick, C. M., **Pellicano***, A., & Binkofski*, F. (2020). Gender effects in observation of robotic and humanoid actions. *Frontiers in Neuropsychology*, 11:797. <https://doi.org/10.3389/fpsyg.2020.00797> *shared last authorship
(first published online 2020)
14. **Pellicano, A.**, Iani, C., Maiorana, N. V., Horoufchin, H., Rubichi, S., Lugli, L., Nicoletti, R., & Binkofski, F. (2020). Correspondence effect driven by salient visual asymmetries in integral object stimuli. *Psychological Research*, 84, 728-742. <https://doi.org/10.1007/s00426-018-1079-3>
(first published online 2018)
15. Patel, H. J., Romanzetti, S., **Pellicano, A.**, Nitsche, M., Reetz, K., & Binkofski, F. (2019). Proton Magnetic Resonance Spectroscopy of the motor cortex reveals long term GABA change following anodal Transcranial Direct Current Stimulation. *Scientific Reports*, 9:2807. <https://doi.org/10.1038/s41598-019-39262-7>
(first published online 2019)
16. **Pellicano, A.**, Lugli, L., Binkofski, F., Rubichi, S., Iani, C., & Nicoletti, R. (2019). The unimanual handle-to-hand correspondence effect: evidence for a location coding account. *Psychological Research*, 83, 1383-1399. <https://doi.org/10.1007/s00426-018-1009-4> (first published online 2018)
17. **Pellicano, A.**, Borghi, A.M., & Binkofski, F. (2017). Editorial: Bridging the theories of affordances and limb apraxia. *Frontiers in Human Neuroscience*, 11:148. <https://doi.org/10.3389/fnhum.2017.00148>
(first published online 2017)
18. **Pellicano, A.**, Koch, I., & Binkofski, F. (2017). Location-Coding Account vs. Affordance-Activation Account in Handle-to-Hand Correspondence Effects: Evidence of Simon-Like Effects Based on the Coding of Action Direction. *Journal of Experimental Psychology: Human Perception and Performance*, 43, 1647-1666. <https://doi.org/10.1037/xhp0000414>
(first published online 2017)
19. Ricciardelli, P., Lugli, L., **Pellicano, A.**, Iani, C., & Nicoletti, R. (2016). Interactive effects between gaze direction and facial expression on attentional resources deployment: the task instruction and context matter. *Scientific Reports*, 6:21706. <https://doi.org/10.1038/srep21706>
(first published online 2016)
20. Scorolli, C., **Pellicano, A.**, Nicoletti, R., Rubichi, S. and Castiello, U. (2015), The Simon Effect in Action: Planning and/or On-Line Control Effects?. *Cognitive Science*, 39, 972-991. <https://doi.org/10.1111/cogs.12188>
(first published online 2014)
21. Nicoletti, R., Lugli, L., **Pellicano, A.**, Iani, C., & Rubichi, S. (2014). L'effetto Affordance viene modulato dalla presenza di un secondo partecipante? (Is affordance effect modulated by the presence of a second participant?) M. Boldrini, P. Marti, M. Masini, O. Parlangei, A. Rizzo (Eds.)

L'uomo e le macchine: per i 70 anni di Sebastiano Bagnara (pp. 199-209). Aricidosso, GR: edizioni effigi. ISBN 978-88-6433-493-6.

22. **Pellicano, A.**, Barna, V., Nicoletti, R., Rubichi, S., & Marzi, C. A. (2013). Interhemispheric vs. stimulus-response spatial compatibility effects in bimanual reaction times to lateralized visual stimuli. *Frontiers in Psychology*, 4:362. <https://doi.org/10.3389/fpsyg.2013.00362> (first published online 2013)
23. Ertelt, D., Witt, K., Reetz, K., Frank, W., Junghanns, K., Backhaus, J., Tadic, V., **Pellicano, A.**, Born, J., & Binkofski, F. (2012). Skill memory escaping from distraction by sleep - Evidence from dual-task performance. *PLoS ONE*, 7, e50983. <https://doi.org/10.1371/journal.pone.0050983> (first published online 2012)
24. Baroni, G., **Pellicano, A.**, Borghi, A.M., Rumiati, R., & Nicoletti, R. (2012). Le nostre reazioni di fronte ai guadagni e alle perdite (Our reactions to gains and losses). In Bellelli, G., & Di Schiena, R. (Eds.), *Decisioni ed emozioni: Come la psicologia spiega il conflitto tra ragione e sentimento* (How Psychology explains the conflict between reason and feeling) (pp. 69-84). Bologna: Il Mulino. ISBN: 9788815234544.
25. Ricciardelli, P., Iani, C., Lugli, L., **Pellicano, A.**, & Nicoletti, R. (2012). Gaze direction and facial expressions exert combined but different effects on attentional resources. *Cognition & Emotion*, 26, 1134-1142. <https://doi.org/10.1080/02699931.2011.638907> (first published online 2012)
26. Baroni, G., **Pellicano, A.**, Lugli, L., Nicoletti, R., & Proctor, R. W. (2012). Influence of Temporal Overlap on Time Course of the Simon Effect. *Experimental Psychology*, 59, 88-98. <https://doi.org/10.1027/1618-3169/a000130> (first published online 2012)
27. **Pellicano, A.**, Thill, S., Ziemke, T., & Binkofski, F. (2011). Affordances, adaptive tool use and grounded cognition. *Frontiers in Psychology*, 2:53. <https://doi.org/10.3389/fpsyg.2011.00053> (first published online 2011)
28. Iani, C., Baroni, G., **Pellicano, A.**, & Nicoletti, R. (2011). On the relationship between Affordance and Simon effects: Are the effects really independent? *Journal of Cognitive Psychology*, 23, 121-131. <https://doi.org/10.1080/20445911.2011.467251> (first published online 2011)
29. **Pellicano, A.**, Iani, C., Borghi, A. M., Rubichi, S., & Nicoletti, R. (2010). Simon-like and functional affordance effects with tools: The effects of object perceptual discrimination and object action state. *Quarterly Journal of Experimental Psychology*, 63, 2190-2201. <https://doi.org/10.1080/17470218.2010.486903> **109 citations.** (first published online 2010)
30. **Pellicano, A.**, Iani, C., Rubichi, S., Ricciardelli, P., Borghi, A. M., & Nicoletti, R. (2010). Real life motor training modifies spatial performance: The advantage of being drummers. *American Journal of Psychology*, 123, 169-179. <https://doi.org/10.5406/amerjpsyc.123.2.0169> (first published online 2010)
31. **Pellicano, A.**, Lugli, L., Baroni, G., & Nicoletti, R. (2009). The Simon Effect with Conventional Signals: A Time-Course Analysis. *Experimental Psychology*, 56, 219-227. <https://doi.org/10.1027/1618-3169.56.4.219>

(first published online 2009)

32. **Pellicano, A.**, Vu, K.-P. L., Proctor, R. W., Nicoletti, R., & Umiltà, C. (2008). Effects of stimulus-stimulus short-term memory associations in a Simon-like task. *European Journal of Cognitive Psychology*, 20, 893-912. <https://doi.org/10.1080/09541440701676343>
(first published online 2008)
33. Bonifacci, P., Ricciardelli, P., Lugli, L., & **Pellicano, A.** (2008). Emotional attention: effects of emotion and gaze direction on overt orienting of visual attention. *Cognitive Processing*, 9, 127-135. <https://doi.org/10.1007/s10339-007-0198-3>
(first published online 2007)
34. **Pellicano, A.**, Lugli, L., Baroni, G., & Nicoletti, R. (2007). Simon Effect with Central Stimuli: A Time-Course Analysis. In S. Vosniadou, D. Kayser & A. Protopapas (Eds.), *Proceedings of EuroCogSci07 the European Cognitive Science Conference 2007* (pp. 700-704). Hove: East Sussex-England. <https://doi.org/10.4324/9781315781457>
(first published online 2007)
35. Vu, K.-P. L., **Pellicano, A.**, & Proctor, R. W. (2005). No overall right-left prevalence for horizontal and vertical Simon effects. *Perception & Psychophysics*, 67, 929-938. <https://doi.org/10.3758/BF03193544>
(first published online 2005)
36. Rubichi, S. & **Pellicano, A.** (2004). Does the Simon effect affect movement execution? *European Journal of Cognitive Psychology*, 16, 825-840. <https://doi.org/10.1080/09541440340000367>

PUBBLICAZIONI: CONFERENCE ABSTRACTS

1. Shaikh, U. J., **Pellicano, A.**, Schüppen, A., Winz, O., Heinzl, A., Mottaghy, F., Binkofski, F. (2021). FV 8. The effect of repeated blocks of intermittent theta burst stimulation (iTBS) over the dorsolateral prefrontal cortex (dlPFC) on fronto-striatal connectivity. A 18F-DesmethoxyFallypride (DMFP) Positron Emission Tomography study (PET). *Clinical Neurophysiology*, 132, 8, e32-e33 <https://doi.org/10.1016/j.clinph.2021.02.384>
2. Shaikh, U. J., **Pellicano, A.**, Winz, O., Mottaghy, F., Binkofski, F. (2020). FV11 Fronto-Striatal Connectivity as assessed by Positron Emission Tomography (PET) and Transcranial Magnetic Stimulation (TMS). *Clinical Neurophysiology*, 131, 4, e228-e229 <https://doi.org/10.1016/j.clinph.2019.12.103>
3. Patel, H. J., Romanzetti, S., **Pellicano, A.**, Reetz, K., & Binkofski, F. (2018). PB11 Long term GABA alterations induced by anodal Transcranial Direct Current Stimulation (tDCS) in motor cortex: A proton magnetic resonance spectroscopy study. *Clinical Neurophysiology*, 129, 8, e59-e60. <https://doi.org/10.1016/j.clinph.2018.04.636>
4. Patel, H. J., Romanzetti, S., **Pellicano, A.**, Reetz, K., & Binkofski, F. (2017). FV 6 Sustained GABA reduction induced by anodal Transcranial direct current stimulation (tDCS) in motor cortex - a proton magnetic resonance spectroscopy study. *Clinical Neurophysiology*, 128, 10, e308-e309. <https://doi.org/10.1016/j.clinph.2017.06.048>
5. Horoufchin, H., Worringer, B., **Pellicano, A.**, Patel, H., Koch, I., Binkofski, F. (2013). Bottleneck-function of the left inferior parietal cortex in dual-tasking revealed by repetitive transcranial

magnetic stimulation. *Journal of Cognitive Neuroscience*, 132, special issue: "20th Annual Meeting of the Cognitive-Neuroscience-Society", San Francisco, CA, APR 13-16, 2013.

6. Worringer, B., Horoufchin, H., **Pellicano, A.**, Patel, H., Hu, J.Y., Koch, I., Binkofski, F. (2013). Left inferior parietal lobe as bottleneck in dual-tasking: Evidence from transcranial direct current stimulation. *Journal of Cognitive Neuroscience*, 247, special issue: "20th Annual Meeting of the Cognitive-Neuroscience-Society", San Francisco, CA, APR 13-16, 2013.

PROGETTI NAZIONALI E INTERNAZIONALI FINANZIATI CON REVISIONE TRA PARI

Project: "Study on Elderly Neurodegenerative Interventions and Overall Risk Screening – SENIORS" PIAO di InCENtivi per la RIcerca di Ateneo 2024-2026, Linea di Intervento 1: "progetti di ricerca collaborativa".

Project ID: 316432/2024

Collaboration partner. Design of the experiments.

Funds = 13.275 €.

2023-2025 (three years). Project: "Objects processing in perception and action: From location and action coding to affordances.- Wahrnehmung und Handlung bei der Objektverarbeitung: Von der Location- und Handlungskodierung zu den Affordanzen".

Deutsche Forschungsgemeinschaft (DFG), Germany. <https://www.dfg.de/de>

Project ID: PE 2416/2-1 506402598

Principal investigator. Designed, wrote and run the project.

Funds = 375.545 €.

01.09.2023 - 31.08.2025. Project: "Objects Processing II, from Location and Action Coding to affordancEs - OPLACE".

Piano di incentivi per la ricerca di Ateneo, Linea 3 - Starting Grant, University of Catania, Italy.

Principal investigator. Designed, wrote and run the project.

Funds = 10.000 €.

01.10.2020 - 30.09.2021. Project: "Action coding and affordances in object processing".

Project ID: 691948, 134/19

Start Research Program of the Medical Faculty, RWTH Aachen University, Aachen, Germany.

Scientific supervisor. Design of the experiments, manuscripts writing (last authorship).

Funds = 24.988 €.

01.01.2016 - 30.11.2017. Project: "Objects processing: the modulation of affordance effects".

Fondo di Ateneo per la ricerca 2014, University of Modena and Reggio Emilia, Italy.

International collaboration partner and host of the visiting scientist.

Funds = 26.200 €.

01.05.2014 - 30.04.2015. Project: "ANTROBOT: Empirical evaluation of the impact of anthropomorphically modeled trajectories on human-robot interaction using functional magnetic resonance imaging". 16SV7013. German Federal Ministry of Education and Research (BMBF).

Klinische Kognitionswissenschaften and Institut für Arbeitswissenschaft, RWTH Aachen University.

Co-principal investigator. Co-writing of the application.

Last authorship publications: [2, 7].

Funds = 200.000 €.

01.07.2012 - 30.06.2014. Project: “*The Simon-like and the Functional Affordance Effects: Disambiguating Location Coding and Motor Simulation Accounts. Investigating features of limb apraxia*”. Project ID: 691240, 144/12

Start Research Program of the Medical Faculty, RWTH Aachen University, Aachen, Germany.

Principal investigator. Designed, wrote and run the project.

First authorship publications: [3, 8, 10, 11, 12].

Funds = 64.520 €.

09.02.2007 - 09.02.2009. Project: “*Objects concepts and interactions between perception and action: the role played by affordances*”. PRIN - Programmi di ricerca di Rilevante Interesse Nazionale, announcement year 2006, Italian Ministry for Instruction, University and Research.

Collaboration partner. Design of the experiments.

First authorship publications: [23, 24, 25, 26]

Funds = 19.429 €.

COLLABORAZIONI

Division for Clinical Cognitive Sciences - CCS, Department of Neurology Medical Faculty, RWTH Aachen University.

Until 31.07.2022, role of Deputy Director of the CCS, co-Director of the research activities, Principal Investigator.

From 1.08.2022, role of Principal Investigator and scientific coordinator.

First and last authorship publications: [2-4, 7-11, 13, 14, 16-18, 27].

Dr. Esther Odilla Breuer: Head of the Centre for Writing Competence, Faculty of Arts and Humanities, University of Cologne, Germany. Role of scientific coordinator. Last authorship publication: [4].

Prof. Felix M. Mottaghy's research group, Clinic for Nuclear Medicine, Medical Faculty, RWTH Aachen University.

First authorship publication: [7].

Prof. Iring Koch's research group, Institute of Psychology-Cognitive and Experimental Psychology, RWTH Aachen University. Role of Principal Investigator.

First authorship publication: [18].

Prof. Jochen Müsseler's research group, Institute of Psychology-Work and Engineering Psychology, RWTH Aachen University. Role of scientific coordinator.

Brain Imaging Facility (BIF) of the Interdisciplinary Center for Clinical Research (IZKF), RWTH Aachen University. Role of Principal Investigator. First and last authorship publications: [7, 8, 10].

<https://www.izkf.rwth-aachen.de/index.php/en/> <https://www.izkf.rwth-aachen.de/index.php/en/research-cooperations>

Prof. Alessia Tessari's research group, Department of Psychology, University of Bologna, Italy. Role of scientific coordinator.

Prof. Giovanni Buccino's research group, Faculty of Medicine, University San Raffaele and Division of Neuroscience, San Raffaele Scientific Institute, Milan, Italy. Role of Principal Investigator. First authorship publication: [10].

Human Movement Science and Psychology of Sport (Prof. Jörn Munzert), Justus-Liebig-University in Giessen, Germany.

Role of scientific coordinator. Last authorship publication: [3]

JARA-BRAIN (Jülich Aachen Research Alliance). Forschungszentrum Jülich GmbH and RWTH Aachen University.

Forschungszentrum Jülich GmbH, Germany.

Role of scientific coordinator. First and last authorship publications: [2-4, 7-11, 13, 16-18, 27].

Prof. Simon Eickhoff, Director of the Institute of Neuroscience and Medicine - Brain and Behaviour (INM-7), Forschungszentrum Jülich GmbH, Germany.

Human Cognition (HuCog) Lab (Prof. Cristina Iani; Prof. Sandro Rubichi), Department of Communication and Economics, Department of Education and Human Sciences, Center of Neuroscience and Neurotechnology, University of Modena and Reggio Emilia, Italy.

<http://www.hucog.unimore.it/site/home.html> <http://personale.unimore.it/rubrica/pubblicazioni/ciani>.

Role of Principal Investigator. First authorship publications: [14, 16, 22, 29, 30].

Prof. Anna M. Borghi's Research Group, Institute of Cognitive Sciences and Technologies (ISTC), Italian National Research Council (CNR), Rome, Italy. <http://www.istc.cnr.it/it/people/anna-m-borghi>.

Role of Principal Investigator. First authorship publications: [11, 17, 29, 30].

Prof. Roberto Nicoletti's research group, University of Bologna, Italy.

Role of Principal Investigator. First authorship publications: [14, 16, 19, 20, 22, 29-32, 34].

Prof. Paola Ricciardelli's research group, University of Milano-Bicocca, Italy.

Role of scientific coordinator. Publications: [19, 25, 30, 33].

INVITED SPEAKER

L'utilizzo della Stimolazione Magnetica Transcranica nella ricerca sperimentale. Convegno: *"Tecnologia e tradizione nella valutazione e nella riabilitazione"*, Università di Catania, 8.01.2024.

The handle-to-hand correspondence effect: Affordance activation account versus location coding account. Symposium: *"Redefining the role of affordance(s) in object perception"*, 32nd International Congress of Psychology 2020* (ICP), Prague, Czech Republic, July 19-24, 2021.

Motor interaction with objects: Simon effect vs. affordance effect. International conference: *"Il contributo delle neuroscienze: il dibattito in ambito educativo"*, Brixen, Italy, October 26, 2012.

The action relationship between objects: a machine learning investigation.

Neuromedizinischen Kolloquium 2021, Brain Imaging Facility (BIF) - Interdisciplinary Center for Clinical Research (IZKF), RWTH Aachen University. September 9, 2021.

Cognitive and physiological aspects of motor simulation.

Neuromedizinischen Kolloquium 2017, Brain Imaging Facility (BIF) - Interdisciplinary Center for Clinical Research (IZKF), RWTH Aachen University. May 11, 2017.

Dynamics of spatial coding in the Stimulus-Response Correspondence effects.

Institute of Psychology Work and Cognitive Psychology (Prof. Dr. Jochen Müsseler), Faculty of Philosophy, RWTH Aachen University. June 17, 2015.

PREMI

Merit Abstract Award: 2021 Annual Meeting of the Organization for Human Brain Mapping (OHBM). “Effect of repeated blocks of transcranial magnetic stimulation (TMS) on fronto-striatal connectivity”. Shaikh, U. J., Pellicano, A., Schüppen, A., Winz, O., Heinzl, A., Mottaghy, F., Binkofski, F. 21-25 June 2021.

Best poster award: 24th Annual meeting of the International Society for Magnetic Resonance in Medicine (ISMRM), for the work: “Sustained GABA reduction induced by anodal transcranial direct current stimulation in motor cortex: A proton magnetic resonance spectroscopy study”. Patel, H., Romanzetti, S., Reetz, K., Pellicano, A., Binkofski, F. C..Singapore, 7-13 May 2016.

Best poster award: 1st World Congress on Facial Expression of Emotion/FEELab/UFP "The Science of Reading Human Faces". Hospital-School University Fernando Pessoa October 9-11, 2014.

INSEGNAMENTO

Corsi (fino al 2022)

2019-2022. RWTH Aachen University, Germania.

- “Neuropsychologie”, Medical Faculty/Uniklinikum Aachen.

2020-2022. RWTH Aachen University, Germania.

- “Experimentalpsychologisches Praktikum”, 4 ECTS credits, Faculty of Philosophy/Institute of Psychology.

Research training (bachelor, master, doctoral students)

06.06.2024, 3 hours

Seminario: “*Dall’idea di progetto alla creazione di un team internazionale all’applicazione per fondi di ricerca*”, Dottorato di Ricerca in Processi formativi, modelli teorico-trasformativi e metodi di ricerca applicati al territorio, XXXIX ciclo, Dipartimento di Scienze della Formazione, Università di Catania.

2011-2022:

- “Experimental design and Hypothesis Testing”,
- “Basic Anatomic-Physiology of Psychic Activity”,
- “Research Techniques in Cognitive Psychology and Cognitive Neuroscience”,
 - Reaction times (RTs), transcranial magnetic stimulation (TMS), transcranial direct current stimulation (tDCS), functional magnetic resonance imaging (fMRI).
- “Statistical Analyses with SPSS”,
 - Data analyses and interpretation of results. Drafting of reports and manuscripts.

Division for Clinical Cognitive Sciences, RWTH Aachen University, Germany.

PH.D. AND GRADUATE PROJECTS SUPERVISOR AND REVIEWER

Title of the Ph.D. project: “*Percezione e manipolazione di oggetti: dalla ricerca pura alle applicazioni pratiche*”, Matilde Mariabarbara Torrisi (Dipartimento di Scienze della Comunicazione, Università di Catania). Dottorato di Ricerca in: “Processi formativi, modelli teorico-trasformativi e metodi di ricerca applicati al territorio” (Educational processes, theoretical-transformative models and research methods applied to the territory) – Curriculum Psicologia Generale, XL ciclo.

Title of the Ph.D. project: “*Kinematic investigation of objects manipulations in a patient with a parieto-occipital brain lesion*”, Kirstin Lederer (Medical Faculty, RWTH Aachen University).

Title of the Ph.D. project: “*Fronto-striatal Connectivity as assessed by PET and TMS*”, Usman Shaikh (Division for Clinical Cognitive Sciences, RWTH Aachen University)

Title of the Ph.D. project: “*Grasped objects and grasping affordances: A Transcranial Magnetic Stimulation study*”, Carla Remy (Medical Faculty, RWTH Aachen University).

Title of the graduate project (12 months): “*Action coding and affordances in object processing*”, Principal Investigator: Usman Shaikh (Division for Clinical Cognitive Sciences, RWTH Aachen University) Project ID: 691948, 134/19

Start Research Program of the Medical Faculty, RWTH Aachen University, Aachen, Germany

<http://www.medizin.rwth-aachen.de/cms/Medizin/Forschung/Foerderung/Interne-Programme/~tfy/START/>. Funds = 24.988 €.

Novembre 2024: Conferimento di incarico presso il panel dei valutatori delle tesi dei dottorandi, Università di Bologna.

Dicembre 2024: Valutatore tesi di dottorato.

Dottoranda: Filomena Rita Guarino, titolo della tesi: “*L'impatto degli stimoli alimentari sull'attenzione e sui sistemi valutativi: un'indagine sperimentale*”. Supervisore: Luisa Lugli, co-supervisore: Elena Gherri. Dottorato di Ricerca in Philosophy, Science, Cognition, and Semiotics (PSCS) – Curriculum Scienze Cognitive, ciclo XXXVII, settore concorsuale 11/E1, s.s.d. MPSI/01, coordinatore: Claudio Paolucci.

UNDERGRADUATE PROJECTS SUPERVISOR

Undergraduate Research Opportunities Program (UROP), RWTH Aachen University - UROP International 2012: “*Embodied Language*”. Investigators: Riley Kessler (Harvard University), Molly Haig (Yale University).

Undergraduate Research Opportunities Program (UROP), RWTH Aachen University - UROP International 2013: “*Human Multitasking - A Transcranial Magnetic Stimulation Study*”. Investigators: Audrey Coble (University of Michigan), Adam Francis Sitzmann (University of Michigan).

Undergraduate Research Opportunities Program (UROP), RWTH Aachen University - UROP International 2014: “*Memory transfer effects on a Simon task*”. Investigator: Dave Saraswat (University of Pennsylvania).

Internship programme at RWTH Aachen University, Section for Clinical-Cognitive Sciences - CCS, Department of Neurology Medical Faculty. 27 April 2015 – 12 June 2015. Claudia Alessandra Libbi (University of Cologne, Germany. Faculty of Medicine-Faculty of Mathematics and Natural Sciences, Neuroscience Degree Course).

Research assistant at RWTH Aachen University, Section for Clinical-Cognitive Sciences - CCS, Department of Neurology Medical Faculty. 1 August 2016 – 31 April 2017. Jan Merlin Simon Abram (University of Cologne, Germany).

Internship programme at RWTH Aachen University, Section for Clinical-Cognitive Sciences - CCS, Department of Neurology Medical Faculty. 23 August 2021 – 29 September 2021. Ada Kallabis (University of Cologne, Germany).

Research assistant at RWTH Aachen University, Section for Clinical-Cognitive Sciences - CCS, Department of Neurology Medical Faculty. 1 November 2021 – 31 January 2022. Anna Tscherner (RWTH Aachen University, Germany).

ORGANIZZAZIONE DI CONVEGNI E CONFERENZE

Participation to the organization of the: Teaching and Training Program Aachen, The fourth Real-Time Functional Imaging and Neurofeedback Conference – rtFIN 2019, Maastricht (Netherlands) and Aachen (Germany) December 7-11, 2019.

Organizzazione del seminario professionalizzante: "Il linguaggio dell'immagine nella fotografia documentaristica. Luoghi di turismo e oltre", relatore: Salvatore Cavalli. Presso il corso di psicologia del turismo (11/E1, M-PSI/01), Corso di Laurea in Scienze del Turismo, Dipartimento di Scienze della Formazione, Università di Catania. 17.05.2023.

Organizzazione del convegno: "Tecnologia e tradizione nella valutazione e nella riabilitazione", Università di Catania. 08.01.2024.

PRESENTAZIONI ORALI/POSTER PRESSO CONFERENZE E WORKSHOPS

Matilde Mariabarbara Torrisi, Iring Koch, Usman Shaikn, Ferdinand Binkofski, **Antonello Pellicano**
Elaborare oggetti afferrabili accoppiati a mani egocentriche attiva programmi motori di afferramento. Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Torino, September 11-13, 2025.

Meret Mertens, Lukas Lorentz, Bruno Leitao, Bichr Grii, Rea Rodriguez-Raecke, André Schueppen, **Antonello Pellicano**, Ferdinand Binkofski, Rik Sijben.
Perception of Peripersonal Space in Virtual Reality: An fMRI Study
The 5th Annual XR4REHAB Conference 2025 - Rehab Reimagined. Lecco (Italy), June 26-27, 2025.

Matilde Mariabarbara Torrisi, Iring Koch, Usman Shaikn, Ferdinand Binkofski, **Antonello Pellicano**
L'elaborazione di oggetti afferrabili accoppiati a mani egocentriche: uno studio sull'effetto di corrispondenza manico-mano.
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Noto (Italy), September 22-25, 2024.

Marinella Coco, Claudia Savia, Alessia Pennisi, Valentina Bucalo, Giuseppe Rapisarda, Giovanna Alagona, **Antonello Pellicano**, Andrea Buscemi, Vincenzo Perciavalle, Donatella Di Corrado.
Psychophysiological aspects in migraine: A pilot study.
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Lucca (Italy), September 18-20, 2023.

Shaikh Usman Jawed, **Antonello Pellicano**, Andre Schüppen, Alexander Heinzl, Oliver H. Winz, Felix M. Mottaghy, Ferdinand Binkofski.
Dose Dependent effects of Transcranial Magnetic Stimulation on fronto-striatal connectivity.
A 18F-DMFP Positron Emission Tomography study.
2022 Organization for Human Brain Mapping (OHBM) annual meeting (Glasgow), June 19-23, 2022.

Shaikh Usman Jawed, **Antonello Pellicano**, Andre Schüppen, Alexander Heinzl, Oliver H. Winz, Felix M. Mottaghy, Ferdinand Binkofski.
Effect of repeated blocks of Transcranial Magnetic Stimulation (TMS) on fronto-striatal connectivity.
2021 Organization for Human Brain Mapping (OHBM) annual meeting (online), June 21-25, 2021.

Antonello Pellicano, Gianluca Mingoia, Christoph Ritter, Giovanni Buccino, Ferdinand Binkofski.

Respiratory function modulated during execution, observation, and imagination of walking via SII.
2021 Organization for Human Brain Mapping (OHBM) annual meeting (online), June 21-25, 2021.

Shaikh Usman Jawed, **Antonello Pellicano**, Oliver Winz, Felix Mottaghy, Ferdinand Binkofski.
Fronto-striatal connectivity as assessed by PET and TMS.
EURON PhD days 2019, University of Luxembourg, Belval (Luxembourg), 23-24 September 2019.

Antonello Pellicano, Gianluca Mingoia, Harshal Patel, Giovanni Buccino, Ferdinand Binkofski.
Mirror Neurons affect Autonomic Nervous System regulations: A physiological and fMRI investigation.
2019 Organization for Human Brain Mapping (OHBM) annual meeting, Rome (Italy), June 9-13, 2019.

Kirstin Lederer, **Antonello Pellicano**, Bruno Fimm, Heiko Maurer, Mathias Reiser, Ferdinand Binkofski.
Dissociation of ventral and dorsal stream contribution to interaction with objects in a patient with a profound occipital lesion. A kinematic study.
V international conference "Low vision and the brain", Berlin (Germany), Nov. 30 - Dec. 2, 2018.

Gianluca Mingoia, **Antonello Pellicano**, Harshal Patel, Giovanni Buccino, Ferdinand Binkofski.
The Mirror Neuron System (MNS) affects autonomic regulation of respiration.
XX meeting of the European Society for Cognitive Psychology (ESCoP), Potsdam (Germany), September 3-6, 2017.

Antonello Pellicano, Gianluca Mingoia, Harshal Patel, Giovanni Buccino, Ferdinand Binkofski.
An fMRI investigation of a Mirror Neuron System for walking. XX meeting of the European Society for Cognitive Psychology (ESCoP), Potsdam (Germany), September 3-6, 2017.

Harshal Patel, Sandro Romanzetti, **Antonello Pellicano**, Kathrin Reetz, Ferdinand Binkofski.
Sustained GABA reduction induced by anodal transcranial direct current stimulation in motor cortex: A proton magnetic resonance spectroscopy study. 24th Annual Meeting & Exhibition of the International Society for Magnetic Resonance in Medicine ISMRM, Singapore, May 07-13, 2016.

Antonello Pellicano, Luisa Lugli, Sandro Rubichi, Cristina Iani, Roberto Nicoletti.
The handle-to-hand correspondence effect: evidence of a location coding account.
XIX meeting of the European Society for Cognitive Psychology (ESCoP), Paphos (Cyprus), September 17-20, 2015.

Antonello Pellicano, Houpan Horoufchin, Natale Maiorana, Luisa Lugli, Sandro Rubichi, Cristina Iani, Roberto Nicoletti, Ferdinand Binkofski.
Simon-like effect driven by salient visual asymmetries in object stimuli.
XIX meeting of the European Society for Cognitive Psychology (ESCoP), Paphos (Cyprus), September 17-20, 2015.

Luisa Lugli, Cristina Iani, **Antonello Pellicano**, Paola Ricciardelli, Roberto Nicoletti.
Pay attention to the face! Combined effects of facial expression and gaze direction on attentional resources. 1st World Congress on Facial Expression of Emotion/FEELab/UFPP "The Science of Reading Human Faces". Hospital-School University Fernando Pessoa October 9-11, 2014.

Antonello Pellicano, Houpan Horoufchin, Harshal Patel, Iring Koch, Ferdinand Binkofski.
La risoluzione del conflitto tra risposte motorie in un compito Simon: uno studio di risonanza magnetica funzionale (The resolution of conflict between motor responses in a Simon task: a functional Magnetic Resonance study).
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Roma (Italy), Sept. 16-18, 2013, p. 49.

Antonello Pellicano, Houpand Horoufchin, Harshal Patel, Iring Koch, Ferdinand Binkofski.
Neural correlates of conflict resolution in an object-based Simon effect: an fMRI study.
XVIII meeting of the European Society for Cognitive Psychology (ESCoP), Budapest (Hungary),
August 29-September 1, 2013 p. 184.

Antonello Pellicano, Ferdinand Binkofski.
Effetto Simon vs. effetto affordance: Il ruolo di risposte motorie complesse ed orientamento dello
stimolo.

(Simon effect vs. affordance effect: the role of complex motor responses and stimulus orientation)
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Chieti (Italy), Sept. 20-22, 2012 p. 78.

Antonello Pellicano, Ferdinand Binkofski.

Handle-to-hand correspondence effects: Disambiguating Location Coding and Affordance Activation
Accounts. XVII meeting of the European Society for Cognitive Psychology (ESCoP), Donostia - San
Sebastian (Basque Country - Spain), September 29–October 2, 2011 p. 108.

Antonello Pellicano, Ferdinand Binkofski.

Effetto Simon vs. effetto affordance in un compito di discriminazione di oggetti.

(Simon effect vs. affordance effect in an object-discrimination task)

Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Catania (Italy), Sept. 14-16, 2011 p. 48.

Antonello Pellicano, Hong Chen, Houpand Horoufchin, Harshal Patel, Katrin Sakreida, Britta
Worringer, Ferdinand Binkofski.

Disambiguating Location Coding and Affordance Activation Accounts in an Object-based Choice-
reaction Task.

The fifth annual workshop on Concepts, Actions, and Objects: Functional and Neural Perspectives,
Rovereto (Italy), April 19-22, 2011.

Antonello Pellicano, Claudia Scorolli, Roberto Nicoletti, Sandro Rubichi, Umberto Castiello.
The kinematic Simon effect.

The Embodied Mind Workshop: Motion in Communication and Cognition Research, Aachen
(Germany), April 8-9, 2011.

Antonello Pellicano, Claudia Scorolli, Roberto Nicoletti, Sandro Rubichi, Umberto Castiello.
L'effetto Simon nella cinematica del movimento.

(The Simon effect: a kinematic study)

Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Bologna (Italy), Sept. 2-3, 2010 p. 47.

Roberto Nicoletti, Luisa Lugli, **Antonello Pellicano**, Anna M. Borghi.

L'effetto affordance in compiti go-nogo e sociali.

(The affordance effect in go-nogo and social tasks)

Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Bologna (Italy), Sept. 2-3, 2010 p. 39.

Antonello Pellicano, Cristina Iani, Anna M. Borghi, Sandro Rubichi, Roberto Nicoletti.
Simon-like and Functional Affordance Effects With Tools.

27th International Congress of Applied Psychology (ICAP 2010), Melbourne (Australia), July 11-16,
2010.

Paola Ricciardelli, Luisa Lugli, Cristina Iani, **Antonello Pellicano**, Roberto Nicoletti.

Direzione dello sguardo ed espressione emotiva: effetti sulle risorse attentive.

(Gaze direction and facial expression exert combined but different effects on attentional resources)
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Chieti (Italy), Sept. 24-26, 2009 p.181.

Giulia Baroni, **Antonello Pellicano**, Luisa Lugli, Roberto Nicoletti.
Il ruolo dei processi di interferenza e facilitazione nel decorso temporale dell'effetto Simon.
(The role of interference and facilitation processes on the time-course of the Simon effect)
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Chieti (Italy), Sept. 24-26, 2009 p.122.

Antonello Pellicano, Cristina Iani, Sandro Rubichi, Paola Ricciardelli, Anna M. Borghi, Roberto Nicoletti. Real life motor training modifies spatial performance: The advantage of being drummers.
XVI meeting of the European Society for Cognitive Psychology (ESCoP), Krakow (Poland), September 2-5, 2009 p. 42.

Antonello Pellicano, Valeria Barna, Sandro Rubichi, Roberto Nicoletti.
Anatomical and Attentional Effects in Bimanual Simple Reaction Times.
16th Annual Conference Object Perception, Attention, & Memory (OPAM), Chicago IL (USA),
November 13, 2008 p. 19.

Giulia Baroni, Cristina Iani, **Antonello Pellicano**, Roberto Nicoletti.
Relazione tra effetto Simon ed effetto affordance.
(The relationship between Simon and affordance effects)
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Padova (Italy), Sept. 18-20, 2008 p.116.

Antonello Pellicano, Giulia Baroni, Roberto Nicoletti.
Effetti della soppressione della via diretta in compiti di compatibilità spaziale stimolo-risposta.
(Effects of suppression of the direct route in Stimulus-Response Compatibility tasks)
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Padova (Italy), Sept. 18-20, 2008 p.102.

Giulia Baroni, Laura Freina, **Antonello Pellicano**, Anna Borghi, Rino Rumiati, Roberto Nicoletti.
How do we React to Gain- and Loss-Words? An Experimental Study on Economic Concepts.
Affect and Decision, Bari (Italy), May 22-23, 2008.

Antonello Pellicano.
Object Orientation Effects: Evidence of Object-based Affordance and Simon effects on a Choice Reaction Task.
The second annual workshop on Concepts, Actions, and Objects: Functional and Neural Perspectives, Rovereto (Italy), April 24-27, 2008.

Cristina Iani, Giulia Baroni, **Antonello Pellicano**, Roberto Nicoletti.
L'effetto affordance influenza l'esecuzione di un movimento?
(Does the Simon effect influence the movement execution?)
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Como (Italy), Sept. 17-19, 2007 p.73.

Antonello Pellicano, Luisa Lugli, Giulia Baroni, Roberto Nicoletti.
L'effetto Simon con stimoli centrali. (The Simon effect with central stimuli)
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Rovereto (Italy), Sept. 13-15, 2006 p.22.

Antonello Pellicano.
Effetti di compatibilità spaziale e Simon in un campione di batteristi esperti.
(Spatial compatibility and Simon effects with skilled drummers)
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Cagliari (Italy), Sept. 18-21, 2005 p.6.

Antonello Pellicano, Kim-Phuong L. Vu, Robert W. Proctor, Roberto Nicoletti, Carlo Umiltà.
Simon-Like Effect based on Stimulus-Response Short-Term Memory Associations.
XIV meeting of the European Society for Cognitive Psychology (ESCoP), Leiden (the

Netherlands), August 31-September 3, 2005.

Antonello Pellicano, Kim-Phuong L. Vu, Robert W. Proctor, Roberto Nicoletti, Carlo Umiltà.
Simon Effect as a Function of Stimulus-Stimulus Short-term Memory Links.
American Psychological Society 16th Annual Convention, Chicago IL (USA), May 27-30, 2004.

Antonello Pellicano, Roberto Nicoletti e Remo Job.
Decorso temporale dell'effetto Stroop. (The time course of the Stroop effect)
Congresso Nazionale AIP, Sez. Psicologia Sperimentale, Bari (Italy), Sep. 22-25, 2003 p.37.

Antonello Pellicano, Roberto Nicoletti e Remo Job.
Si può ottenere un effetto Stroop anche tra stimoli diversi? (A between-stimuli Stroop effect?)
Congresso Nazionale AIP, Sezione di Psicologia Sperimentale, Bellaria-Rimini (Italy), Sept. 16-18,
2002, p.35.

COMPETENZE LINGUISTICHE, TECNICO-SCIENTIFICHE

Italian: mother tongue. *English*: high proficiency. *German*: good proficiency.

- Windows.
- Microsoft Word, Excel, PowerPoint.
- Software for experiment generation and data collection: PST E-Prime 2.0., 3.0.
- Hardware for tachistoscopic presentation of real objects stimuli: PLATO Visual Occlusion Spectacles, Translucent Technologies.
- Hardware for fMRI: 3Tesla Siemens Prisma.
- Software for analysis of functional brain images: SPM12
- Hardware-Software for neuronavigation and TMS: Localite TMS Navigator, MagVenture MagPro X100
- Hardware-Software for acquisition of physiological signals: BIOPAC
- Statistical package: SPSS.
- Other software: Adobe Photoshop, Sound Forge.

PARTECIPAZIONE A COMITATI EDITORIALI, ASSOCIAZIONI

Socio ordinario dell'Associazione Italiana di Psicologia (sezione di Psicologia Sperimentale; dal 2022).

Guest Associate Editor

Frontiers in Human Neuroscience. <https://www.frontiersin.org/research-topics/2039/bridging-the-theories-of-affordances-and-limb-apraxia>

Review Editor

Frontiers in Psychology – Cognition.

REVISORE

- Acta Psychologica
- American Journal of Psychology
- Attention, Perception, & Psychophysics
- Cognition

- Cortex
- Frontiers in Human Neuroscience
- Journal of Experimental Psychology: Applied
- Psychological Research
- Perceptual & Motor Skills
- Psychology & Neuroscience
- Quarterly Journal of Experimental Psychology
- WIREs: Cognitive Science
- International Conference on Spatial Cognition (ICSC): Space and Embodied Cognition
- Meeting of the European Society for Cognitive Psychology (ESCoP).
- Conference of the Cognitive Science Society (CogSci)

TERZA MISSIONE

2019-2021 - Vice-Presidente dell'associazione: "Forum Accademico Italiano", Tiroler Weg 8, 50858 Colonia (DE) <https://fai.science/>. Promozione della cooperazione scientifica tra ricercatori italiani e tedeschi.

25.09.2018 - "*Cos'è un'interfaccia utente? Nozioni di base per una buona interazione tra uomo e macchina*". Seminario presso l'Istituto Italiano di Cultura di Colonia (DE), Ministero degli Affari Esteri https://iiccolonia.esteri.it/it/gli_eventi/calendario/was-ist-eine-benutzerschnittstelle/

Catania, 15.02.2026