

ANNA MARIA BORGHI
Curriculum Vitae

Part I – General Information

Full Name	Anna Maria Borghi
E-mail	anna.borghi@uniroma1.it
Personal website	http://laral.istc.cnr.it/borghi/
Lab website (BALLab)	Lab website (Body, Action, Language BALLab) https://sites.google.com/view/annaborghilab
Spoken Languages	Italian, English, German
Researchers unique identifiers	orcid.org/0000-0001-9455-8408; SCOPUS ID: 7101872511

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1987	University of Bologna, Italy	Master degree in Philosophy. Marks: 110/110, summa cum laude
Doctorate training	1988-90	Freiburg University, Germany	PHD courses in Germanistics, History and Philosophy, University of Freiburg
PhD	1992-96	University of Bologna, Italy	PhD in Psychology, Department of Psychology, University of Bologna, Italy – tutor prof. N. Caramelli
Visiting PHD student	1994-95	University of Chicago, USA	Referent prof. L. Barsalou
Visiting scholar	1998	UNED, Madrid, Spain	Visiting scholar (referent prof. H.Peraita)
Post-doc	1997-1998	University of Bologna	Post-doc in Psychology
Visiting post-doc/scholar	1999; 2001	Emory University, USA	Referent prof. L. Barsalou
Visiting scholar	2002	University of Wisconsin, Madison, USA	Referent prof. A. Glenberg
Visiting scholar (Erasmus program)	2022	University College Cork	Referents prof. A. Setti, prof. J. Chen

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
1999	2005	University of Bologna	Assistant Professor (ricercatrice)
2005	2016	University of Bologna, Department of Psychology	Associate Professor
2017	2023	Sapienza University of Rome, Department of	Associate Professor

		Dynamic and Clinical Psychology, and Health Studies; Faculty of Medicine and Psychology	
2023	current	Sapienza University of Rome, Department of Dynamic and Clinical Psychology, and Health Studies; Faculty of Medicine and Psychology	Full professor
2001	current	Institute of Cognitive Sciences and Technologies, Italian National Research Council	Associate Researcher

IIIB – Other Appointments

Start	End	Institution	Position
2015	2017	Einstein Group (Berlin School of Mind and Brain, Humboldt University, Berlin). Organized by prof. J.Prinz.	Fellow

Part IV – Teaching experience

Every year I taught around 120 hours in my institution (University of Bologna, then Sapienza) since when I became associate professor (2005), with the exception of the period of maternity leave.

Year	Institution	Lecture/Course
1997-99	Department of Psychology, University of Bologna	Seminar for PhD students on concepts and categorization
1999-2008	University of Bologna	Psychology of Learning and Memory. High School for Teachers (SISS).
2002-17	University of Bologna	Cognitive Psychology, Communication Science students, Facoltà di Lettere e Filosofia
2003-2009	University of Bologna	General Psychology, Philosophy students, Facoltà di Lettere e Filosofia
2009-2017	University of Bologna	Psychology of intercultural communication, Communication Science students, Facoltà di Lettere e Filosofia
2001-06; 2008-16	University of Bologna	Laboratory of Cognitive Processes; Communication Science students, Facoltà di Lettere e Filosofia Facoltà di Lettere e Filosofia
2014-17	University of Bologna	Psychology of memory, Philosophy students, Facoltà di Lettere e Filosofia
2017-current (course not taught in 2023-2024)	Sapienza University of Rome	Cognition, Body and Culture (magistrale di Psicologia Clinica), Faculty of Medicine and Psychology
2017-18	Sapienza University of Rome	General Psychology. Course for radiology, Tecniche di radiologia medica, per immagini e radioterapia (abilitante alla professione sanitaria di Tecnico di radiologia medica) ROMA - Corso di laurea A - Roma Azienda Policlinico Umberto I L/SNT3, Faculty of Pharmacy and Medicine
2017-current	Sapienza University of Rome	General Psychology. Course for Technicians

		for Safety and Security in Working Places, Corso di laurea A - Roma Azienda Policlinico Umberto I L/SNT4, TPALL, Faculty of Pharmacy and Medicine
2018-current	Sapienza University of Rome	General Psychology. Course for Physiotherapists, Corso di laurea M - Roma Azienda San Filippo Neri L/SNT2, Faculty of Pharmacy and Medicine
2024-25	Sapienza University of Rome	General Psychology, Facoltà di Lettere e Filosofia, Corsi di Laurea magistrale in Discipline Etno-Antropologiche e Culture e religioni

Courses taught as external professor

Year	Institution	Lecture/Course
2008-2010	University of Trieste	General Psychology, Faculty of Medicine
2009-2010	University of Warsaw, Poland	Embodied and grounded cognition. Course taught in English, together with prof. J. Rączaszek (Warsaw)
2009-2010	Venice International University	Embodied mind and language (in English). Course taught with prof. D. Zaefferer (Munich)

Part V – Mentoring, supervision of graduate students and postdoctoral fellows

Year	Structure	Graduate students and post-docs
2007-2016	Department of Psychology, University of Bologna	5 Post-docs, 5 PhD students.
2017-2022	Department of Dynamic and Clinical Psychology, and Health Studies, Sapienza University of Rome	2 Post-docs, 2 PhD students.
2023-2024	Department of Dynamic and Clinical Psychology, and Health Studies, Sapienza University of Rome	1 RTDA researcher, 1 post-doc, 3 PhD students.

CFU: in the last three years, more than 10 students a year

People who were in my lab (EMCOLAB in Bologna, BALLAB in Rome) have now post-doc, researcher, or professor positions in a variety of European labs:

- Filomena Anelli, for years post-doc at the University of Bologna and adjunct professor at the University of Catanzaro;
- **Daniele Caligiore**, now a researcher at ISTC-CNR, Rome;
- **Pierre Jacquet**, now a senior researcher at the Institut du Psychotraumatisme de l'Enfant et de l'Adolescent (Versailles, FR) / LNC2 ENS (Paris, FR);
- **Andrea Flumini**, for years post-doc, University of Granada (prof. J.Santiago);
- **Claudia Gianelli**, for many years researcher, Potsdam University (Prof. Fischer), now RTDb, Università di Messina;
- **Antonello Pellicano**, for many years researcher at Aachen University (prof. F. Binkofski), now RTDb Università di Catania;

- **Mariagrazia Ranzini**, now RTDb, Università di Padova;
- **Claudia Scorolli**, now associate professor, Università di Bologna;
- **Federico Da Rold** (Marie Curie fellow), now beneficiary of a 2-year grant in Japan;
- **Arthur-Henri Michalland** (visiting post-doc, 2019-2020, then post-doc at the University of Montpellier, now working on cognition in older adults).
- **Chiara Fini**, currently RTDA at Sapienza University of Rome, BALLAB
- **Claudia Mazzuca**, for one year post-doc in York, UK; currently post-doc at Sapienza University of Rome, BALLAB

Visitors in my lab (BALLAB):

Visiting professors (Sapienza funding – fondo “professori visitatori”)

- prof. **Martin Fischer**, Potsdam University, Germany, 2018-19 (prot. C26V18BAEH, grant 5000 EUR)
- prof. **Bodo Winter**, Birmingham University, UK, 2019 (visit in 2021 due to Covid restrictions) (prot. C26V19AJPA, grant 5000 EUR)

Other visiting professors/researchers

- prof. **Claudio Brozzoli**, INSERM, Lyon, France (visit in January 2023, self-funded; will visit in September-December 2024)

Visiting PhD students and post-doc

Visitors at EMCOLAB, Unibo

- **Solene Kalenine** (psychology, University of Montpellier), 2007-8, now professor at Lille University -

Visitors PhD students at BALLAB, Rome

- **Francois Foerster** (cognitive neuroscience), 2018, Plymouth University
- **Mina Ghandhari**, (linguistics), 2019
- **Arthur-Henry Michalland** (psychology), University of Montpellier, 2019-2020
- **Borys Jastrzebski** (cognitive science), Warsaw University, January-February 2021
- **Quentin Marre** (psychology), Toulouse University, January-March 2021
- **Johanne Nedergard** (psychology and cognitive science), Aarhus University (Denmark), September 2022

Current lab: **BALLAB (Body Action Language Lab)** <https://sites.google.com/view/annaborghilab>

- RTDA (PNRR funds age.it): **Chiara Fini**.
- post-doc researcher: **Claudia Mazzuca**.
- PhD students: **Iaria Falcinelli** (III year), **Angelo Mattia Gervasi** (II year), **Chiara de Livio** (I year).
- Research assistant: **Valentina Rossi**.
- External participants: **Luca Tummolini**, CNR senior researcher; **Marco Tullio Liuzza** (occasional), associate professor, Catanzaro University; **Laura Barca** (occasional), CNR researcher; **Francesco Mannella** (occasional): CNR researcher.
- Other external participants: **Marta Arcovito**, PhD in Philosophy; **Federico Da Rold**, ex-MSCA fellow, computer scientist; **Arthur-Henry Michalland**, currently employed in France, expert on cognition in elderly.

Part VI – Participation in international boards / Service

Part VI-A – Participation in international boards - Editorial Positions

Year	Position	Journal
2019- June 30, 2024	Chief Editor	Frontiers in Psychology , specialty Theoretical and Philosophical Psychology
2013-current	Associate Editor	Psychological Research
2019-current	Associate Editor	Philosophical Transactions of the Royal Society B: Biological Sciences
2010-2018	Associate Editor	Frontiers in Psychology , specialty Frontiers in Cognition
2014-2020	Associate Editor	PeerJ
2010-current	Member of the Scientific Board	Sistemi Intelligenti
2010-current	Member of the Board of Reviewers	Cognitive Science

I also took part in the scientific board of the journals **RIFL (Rivista Italiana di Filosofia del Linguaggio)** and **Teorie e Modelli**.

Part VI-B – Participation in international boards - Evaluation boards

Boards of Reviewers: Funding agencies

Short name	Name
NSF	National Science Foundation
NOW	Nederlandse Organisatie voor Wetenschappelijk Onderzoek, Holland
	Natural Sciences and Engineering Research Council of Canada
VELUX	VELUX Foundation, Denmark
NIH	National Institute of Health, USA
	Engineering and Physical Sciences Research Council, UK
	Agence National de la Recherche, France
ERC	ERC grants, European Community

Boards to evaluate career progressions in international universities and research centers

University/Research Center	Carrier
USA: University of Massachusetts, Dartmouth	External reviewer for the promotion to the rank of associate professor
UAE (United Arab Emirates)	External reviewer for the promotion to associate professor
USA: Georgia Tech, US	External reviewer for the promotion to full professor
USA: University of Louisville	External reviewer for the nomination of research award
University College Cork, Ireland	External reviewer for the promotion over the bar
INSERM, Lyon, France	----- External reviewer for the HRD, habilitation à diriger des recherches

Boards of external examiners for international (and Italian) PhD programs (selection)

McGill University, USA
Lyon Neuroscience Research Center, INSERM, France
Montpellier University, France

Plymouth University, UK
University of East Anglia, UK
Australian Catholic University, Melbourne, Canada

SISSA, Italy
Sapienza University of Rome, Italy (when teaching at Bologna University)
University of Bologna (when teaching at Sapienza University of Rome), Italy
University of Pavia, Italy

International task forces

Participation 2017-22 to **IEEE AMDTC** (Autonomous Mental Development Technical Committee), **Task force on Language and Cognition**. Chair: Xavier HINAUT (FR) (appointed in 2021). Vice-Chairs: Michael SPRANGER (JP), Clément MOULIN-FRIER (FR). Members: A. Aly, A. Borghi, A. Warlaumont, I. Howard, J.-C. Baillie, J.-L. Schwartz, K. Rohlfing, K. Pastra, N. Hemion, N. Mavridis, T. Taniguchi, Y. Sandamirskaya, A. Pitti

Part VII – Service as a reviewer of journals and publishers and as editor of special issues

Part VII-A – Occasional reviewer for international publishers

Cambridge University Press;
Oxford University Press;
Il Mulino

Part VII-B – Occasional reviewer for international (and national) journals

More than 150 reviews.

Acta Psychologica; Advances in Human-Computer interaction; Avant; Behavioral and Brain Research; Behavioral and Brain Sciences, Bilingualism; Brain and Cognition; Brain and Language; British Journal of Experimental Psychology; Cerebral Cortex; Cognition; Cognitive Linguistics; Cognitive Science (Board of reviewers); Cognitive Systems Research; Experimental Brain Research; Experimental Psychology; European Journal of Cognitive Psychology; European Journal of Neuroscience; European Journal of Social Psychology; Frontiers in neurorobotics; Frontiers in Cognition; Frontiers in Cognitive Science; Frontiers in Human Neuroscience; Frontiers in Behavioral Neuroscience; Giornale Italiano di Psicologia; Human Brain Mapping; International Journal of Behavioral Development; Journal of Cognitive Neuroscience; Journal of Cognitive Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory & Cognition; Journal of Experimental Social Psychology; Journal of Memory and Language; Journal of Mental Imagery; Journal of Neurolinguistics; Learning and Instruction; Nature Communication; Neuroimage; Neuropsychologia; New Ideas in Psychology; Perception Science; PLoS ONE; Proceedings of the Royal Society B: biological sciences; Proceedings of the Cognitive Science Society (reviewer and meta-reviewer); Proceedings of the European COGSCI; Proceedings of EPIROB2013 (meta-reviewer); Psychological Research; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Robotics and autonomous systems; SCAN (Social Cognitive and Affective Neuroscience); Topics in Cognitive Science; Topoi.

Part VII-C – Editor of special issues in international (and national) journals

- 1) 2010, **Neuropsychologia**: *The sense of body: A multidisciplinary approach to body representation*. A. Tessari, A. Serino, M. Tsakiris, **A.M. Borghi**;
- 2) **Sistemi Intelligenti** (2011). A.M. Borghi, F. Caruana: *Social cognition*.
- 3) **Cognitive Semiotics (2012)**. *Embodiment and intersubjectivity*. P. Demuru, R. Fusaroli, **A.M. Borghi**.
- 4) **Frontiers in Cognition (2011)**. **A.M. Borghi**, D. Pecher: *Embodied and Grounded Cognition*.
- 5) **Topics in Cognitive Science (2014)**. A. Cangelosi, **A.M. Borghi**: *Action language integration: from humans to cognitive robots*.
- 6) **Frontiers in Human Neuroscience (2015)**. Antonello Pellicano, Ferdinand Binkofski, Anna Borghi, special issue Bridging the theories of affordances and limb apraxia
- 7) **Frontiers in Psychology (2017)**. Annalisa Setti, Anna Borghi: *Embodied Cognition over the Lifespan*.
- 8) **Frontiers in Psychology (2019)**. Zheng Jin, Maurizio Tirassa, Anna Borghi: *Beyond Embodied Cognition: Intentionality, Affordance, and Environmental Adaptation*.
- 9) **Philosophical Transactions of the Royal Society B- biological sciences (2018)**. Anna Borghi, Laura Barca, Ferdinand Binkofski and Luca Tummolini. *Varieties of abstract concepts: development, use, and representation in the brain*.
- 10) **Psychological Research (2022)**. Anna Borghi, Sam Shaki and Martin Fischer, *Concrete determinant of abstract concepts*.
- 11) **Philosophical Transactions of the Royal Society B- biological sciences (2022)**. Anna Borghi, Albertyna Osinka, Andreas Roepstorff, Joanna Raczaskek-Leonardi. *Concepts in interaction: social engagement and inner experiences*.
- 12) **Sistemi Intelligenti (2022-23)**. Mirolli, M., Borghi, A.M., Delogu, C., Lettieri, N., Nolfi, S. *Domenico Parisi: Uno scienziato indisciplinato*.
- 13) **Frontiers in psychology (2023)**, Chiara Fini, Luca Tummolini, Guy Dove, Anna Borghi (2023). *Insights in theoretical and philosophical psychology*.
- 14) **Frontiers in psychology (2023)**, Chiara Fini, Fausto Caruana, Anna Borghi (2023). *Rising ideas in theoretical and philosophical psychology*.
- 15) **TOPOI**, (2024, ongoing) Chiara Fini, Anna Borghi, Salvatore Maria Aglioti, Takahiko Koike, Dimitris Bolis, and Vanessa Era (2024, ongoing), *Technology, nature, and wellbeing in contemporary societies*
- 16) **Behavioral and informational technology (2024, ongoing)**. Chiara Fini, Anna Borghi, Salvatore Maria Aglioti, Takahiko Koike, Dimitris Bolis, and Vanessa Era, *Technological Advances and Their Impact on Social Behavior, Neuroscience, and Interpersonal Communication: Opportunities and Risks*.

Part VIII – Fellowships and Awards

Year	Title
1992-96	PhD grant, University of Bologna
1998-99	Post-doc grant, University of Bologna
1999	Short term mobility CNR grant. Spent in Emory University, USA (L. Barsalou)
2002	Marco Polo grant, University of Bologna – spent in Wisconsin University (A. Glenberg)

Part IX - Society memberships, participation in scientific committees of conferences, and organization of scientific meetings

Part IX-A Society memberships

- Associazione Italiana di Psicologia (AIP), Sez. Psicologia Sperimentale
- Associazione Italiana di Scienze cognitive (AISC) – founding member. 2008-2011 Member of the AISC governing board
- ESCOP, European Society of Cognitive Psychology
- CogSci Society

Part IX-B Participation in scientific committees (selection)

Year	Service
2005-2006	II WORKSHOP ITALIANO DI VITA ARTIFICIALE. ROMA, ISTC-CNR. 3-5 MARZO 2005
2006	Program Committee - iccm2006 The 7th International Conference on Cognitive Modeling – Trieste, Italy, 5-8 April 2006
2006	III WORKSHOP ITALIANO DI VITA ARTIFICIALE. Wiva3 - Siena, 12-15 settembre 2006
2006	September 2006. Program Committee – From animals to animats 9. The Ninth International Conference on the Simulation of Adaptive Behavior (SAB '06, sab06), 25-29 September 2006, CNR, Rome
2007	IV Convegno nazionale di Science cognitive. Rome, Italy
2008	AISC conference Turin
2009	AISC conference Neaples
2008, 2009	Embodied and Situated Language Processing ESLP
2012	Program Committee – Embodied and Situated Language Processing ESLP 2012, Newcastle Upon Tyne, UK
2012	InPACT (International Psychological Applications Conference and Trends) 2012
2011; 2015	Cognitive Science Society (CogSci)
2012	Scientific Committee. 5th International Conference on Spatial Cognition (ICSC): Space and Embodied Cognition. Rome, 4-9 September 2012
2015	Scientific Committee. 6th International Conference on Spatial Cognition (ICSC): Space and Situated Cognition. Rome, 7-11 September 2015.
2021	Organization of the online workshop <i>Fresh perspectives on abstract concepts</i>
2022	Organization of the Seminar <i>Domenico Parisi uno scienziato indisciplinato: Un dialogo che continua.</i>
2022	Organization of the workshop Experimental designs for the study of abstract concepts in interaction
current	IEEE committee: AMDTC Autonomous Mental Development Technical Committee. Task force on Language and Cognition

Part IX-C Organization of summer schools and scientific meetings (selection)

Year	Title
2005	A.M. Borghi, S. Ghirlanda: Summer School Neural network models of perception, action and embodied knowledge (University of Bologna, July 2005. Among the participants: L. Barsalou, L. Craighero, R. Ellis, M. Enquist, M. Gentilucci, A. Glenberg, R. Goldstone, S. Nolfi, D. Parisi, M. Zorzi)
2006	L. Riggio, A. M. Borghi: Organization of the symposium: Affordances: tra percezione e azione. Participants: Leonardo Fogassi, Lucia Riggio, Fabio Ferlazzo e Anna Borghi. AIP, sez. di Psicologia Sperimentale, Rovereto, September 13-15 2006.
2008	A. Serino, A. Tessari, A.M. Borghi, M. Tsakiris: Summer School The sense of body, Bologna, June 2008. Funded by the European Science Foundation (among the participants: S.M. Aglioti, P. Brugger, B. Coslett, E. Daprati, F. De Vignemont, V. Gallese, A. Iriki, M. Jeannerod, P. Haggard, E. Ladavas, D. Le grande, E. Macaluso, A. Maravita, F. Pavani, P. Rochat, A. Sirigu, M. Tsakiris)
2010	M. Fischer, A. M. Borghi. Symposium: Embodied Robotics: from Affordances to Action. Participants: G. Buccino, A. Cangelosi, R. Ellis, J. Goslin. 1st Joint Conf. EPS & SEPEX, Granada, Spain.
2012	A. M. Borghi. Symposium Objects and action in the individual and social space: Affordances and embodied cognition. Participants: C. Sinigaglia, F. Binkofski, A.M. Borghi, O. Lindemann, Paulus, J. Stefanucci, S. Creem-Regehr. 5th Internat Conf. Spatial Cognition (ICSC): Space and Embodied Cognition. Rome, Italy.
2015	A. M. Borghi, L. Tummolini. Symposium Object, action and space. Participants: A. M. Borghi, A. Cangelosi, H. Gudde and K. Coventry, H. Diessel, P. Knoeferle, L. Tummolini, V. Volterra. 6th International Conference on Spatial Cognition (ICSC): Space and Situated Cognition. Rome, 7-11 September 2015..
2017	A. M. Borghi, L. Tummolini. Symposium Concetti astratti: diversi tipi, molteplici rappresentazioni Participants: A.M. Borghi, S. Dellantonio & R. Job, M. Ghio & M. Tettamanti, L. Tummolini. AIP sez. di Psicologia Sperimentale, Bari, September 20-22, 2017.
2019	A. M. Borghi, M. Fischer. Workshop, Different Abstract Concepts: Numbers, Emotions and Dangerous Things. Participants: S. Shaki (Israel), G. Porciello, A. Monti and S. Panasiti (Sapienza, COSAN), F. Doricchi (Sapienza), C. Fini (Sapienza, Ballab), C. Mazzuca (York), L. Tummolini (ISTC-CNR), C. Scorolli, L. Lugli and C. Villani (Unibo), C. Gianelli (Potsdam), and others. Venue: Faculty of Psychology & Medicine, Sapienza University of Rome. via dei Marsi 78, Rome, March 29.
2021	Symposium New/Fresh Perspectives on Abstract Concepts , organized by BALLAB , i.e., Anna Borghi's Lab (F. Da Rold, I. Falcinelli, C. Fini, C. Mazzuca, A. H. Michalland) and the Traincrease project team, led by J. Raczaszek-Leonardi. Participants: H. Loevenbruck, C. Fernyhough, G. Lupyan, G. Dove, P. Pexman, P. Langland-Hassan, D. Gentner, M. Pickering, M. Sams, A. Wykowska, K. Rohlfing, J. Raczaszek-Leonardi, B. Winter, T. Deacon, L. Barsalou, L. Connell, O. De Roy, N. Shea, L. Barca, M. Ponari, L. Tummolini. https://sites.google.com/view/annaborghilab/conference . March 15-17.
2022	Seminar Domenico Parisi uno scienziato indisciplinato: Un dialogo che continua. Organized by M. Mirolli, A. M. Borghi, C. Delogu, N. Lettieri, S. Nolfi. Sapienza University of Rome, Faculty of Psychology, via dei Marsi 78. May 7, 2022.
2022	Workshop Experimental designs for the study of abstract concepts in interaction , organized by BALLAB, Anna Borghi's Lab , Sapienza University of Rome, Faculty of Psychology, via dei Marsi 78. Lectures by K. Rohlfing, A. M. Borghi, C. Mazzuca, C. Fini and I. Falcinelli, M. T. Liuzza, G. Lupyan, A. Wykowska.

<https://sites.google.com/view/annaborghilab/workshop>. May 23-25.

Part X - Management and Funding Information [only grants as PI-principal investigator, local PI or co-PI]

Year	Title	Program	Grant value
2005	PI (together with Stefano Ghirlanda)	University of Bologna - Funds for Summer School Organization	3.500 EUR
2005	PI (together with Stefano Ghirlanda)	AIP (Associazione Italiana di Psicologia) – funds for Summer School Organization	500 EUR
2005	PI (together with Stefano Ghirlanda)	AISC (Associazione Italiana di Scienze Cognitive) – funds for Summer School Organization	500 EUR
2006-2008	Local unit coordinator, local PI (Unibo)	PRIN 2006, Progetti di Rilevante Interesse Nazionale, – Project Linguaggio, oggetti e sistema motorio: il ruolo delle affordances	20.000 EUR
2008-2011	Local unit coordinator, local PI (Unibo)	PRIN 2008, Progetti di Rilevante Interesse Nazionale,- project Linguaggio e lingue: Tra cognizione embodied e cognizione sociale	20.199 EUR
2008	Co-PI (with Andrea Serino, Alessia Tessari)	Istituto di Studi Avanzati (ISA), Bologna - Funds for the project “The sense of body. Science, Art, Dance and Ethics”.	10.000 EUR
2008	Co-PI (with Andrea Serino, Alessia Tessari)	University of Bologna – Funds for Summer School Organization (“The sense of body”)	2.850 EUR
2008	Co-PI (with Andrea Serino, Alessia Tessari, Manos Tsakiris)	European Science Foundation – Funds for Summer School Organization (“The sense of body”)	890 EUR
2008-12	Overall Coordinator (other local units: University of Parma, Aachen University, Ankara University)	Project EU, call FP7, Cognitive Systems. Project ROSSI: Emergence of Communication in RObots through Sensorimotor and Social Interaction.	2.800.000 EUR, of which UNIBO: 579.898 EUR
2003-2016	PI	University of Bologna - RFO (ex 60%) funds (researcher of A category) – Every year I was classified as researcher of the A category (top category)	2.000-3.000 Eur every year
2017	PI	FABBR funding, MIUR	3.000 EUR
2017-19	PI	Sapienza Excellence Projects, Progetto Grande “Abstract concepts, language and sociality” grant n. RG11715C7F1549F7	34.500 EUR
2018-2021	PI	Sapienza Excellence Projects, Progetto Medie Attrezzature Scientifiche “Concetti astratti ed emotivi ed esperienze traumatiche: correlati psicobiologici” grant n. MA11816436290B1F	30.000 EUR

2018-21	PI	Sapienza Excellence projects, progetto medio “Inner grounding of abstract concepts: the role of interoception and social metacognition,” grant n. RM11816428832AC7	EUR 10.000 + EUR 23.800 (assegno di ricerca) = 33.800
2019-21	Supervisor	European Community, Marie Curie H2020-MSCA-IF-2017 project INTENSS (Information-Theoretic analysis of Embodied and Situated Systems, grant n.796135, delivered to Federico DaRold	Funds for the beneficiary, dr. Da Rold: 168.277 EUR
2020-23	Italian PI	European Community, EU H2020 twinning project TRAINCREASE (From social interaction to abstract concept and words: towards human-centered technology development) Warsaw University, Aarhus University, University of Manchester), CSA, Proposal n. 952324	160.000 EUR (for the local unit)
2021-24	PI	Sapienza Excellence Project, progetto grande “Concepts in interaction with others and with ourselves: Abstractness in social interaction, metacognition, and mind wandering. Grant n. RG12117A5D1EB0B3	43.500 EUR + 23787 (assegno di ricerca) = 67.287 EUR
2022-cur rent	Co-PI (PI prof. F. Lucidi, other co-pi professors G.Alessandri, R.Baiocco)	PNRR project PE8 SCARL "AGE-IT - "Italian Ageing Society” Spoke: 4. PI of the Linea tematica: 2, Older adults’ relationship with the natural environment to enhance their cognitive performances and promote mental health, CUP: B53C22004090006	210.000 EUR (RTDA) + 81.000 EUR = 291.000 EUR
2023-25	PI (beside Sapienza, other local units: Pavia IUSS, San Raffaele, CNR)	PRIN 2022, Progetti di Rilevante Interesse Nazionale, cod. n. 2022YJA4TB Project ASSO, Abstract concepts and Social interaction	241.590 EUR total; Sapienza 71.184 EUR
2023-25	member	PRIN 2022, Progetti di Rilevante Interesse Nazionale, PNRR, Project DeCo, Democratizing Concepts	
2023-26	PI	Sapienza Excellence Project, progetto grande “Ecological, technological, and gender concepts and their variations across the lifespan”, cod. n. RG123188B09BDF14	30.000 EUR + 20.000 EUR for research contract = 50.000 EUR

Part XI –Public Engagement (Terza Missione) (selection)

Part XI-A Activities and talks for the general public

Year **Activity: Activities and Talks for the general public (Communication)**
(Selection)

2010,	Scienza in piazza (SIP) 2010; Scienza in piazza (SIP) 2011, Palazzo Re Enzo,
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2011	Bologna – participation with several experiments for children and adolescents
2010	Scienza in piazza (SIP) , Palazzo Re Enzo, Bologna – Talk on Embodied and Grounded Cognition for the general public.
2021 2022	April 13, 2021- Open lesson for the association Asam , Associazione Sense And Mind, Anna M. Borghi: Concetti astratti, linguaggio e socialità https://www.metodosam.it/asam-associazione-sense-and-mind Modena, Learning more festival 2022 , https://learningmorefestival.it/ , festival della formazione e dell'apprendimento. Invited talk: Imparare con il corpo: dagli oggetti ai concetti astratti. https://learningmorefestival.it/eventi/imparare-con-il-corpo-dagli-oggetti-ai-concetti-astratti/
2023; 2024	Experiments in elementary and middle schools (Festa del gioco, Garbatella): education to open science; studies on categorization and semantic memory
2023	Paper on what are abstract concepts in press on <i>Frontiers of Young Minds</i> , a journal for children and adolescents: Borghi.A.M., Falcinelli, I. Fini, C. Gervasi, M., Mazzuca, C.

Part XI-B Collaborations with associations and schools

Year Activity: Collaboration with associations and schools

2021	Gay Center: formalised collaboration for research-intervention on voice perception, bodily change and conceptualization
2021	Saifip: collaboration for research-intervention on voice perception, bodily changes and conceptualization
2020-22	Collaboration with Assessorato alla Cultura Municipio Tor bella Monaca for research-intervention on studies on pacifiers in schools and kindergarten
Since 2018	Formalized collaboration with Ente/Società IRCCS Fondazione Santa Lucia, Roma, via Ardeatina 306, for research on semantic memory and concepts (dr. Zannino, prof. G.A. Carlesimo).
2022	Contacts with “centri anziani” and “case di riposo” for research-intervention (progetto PNRR) - example: Centro Anziani San Lorenzo; Casa di riposo via delle 7 Chiese, a, Roma.
2020-20 22; 2016-20 19	Collaboration with kindergartens: studies on pacifier use and language comprehension in children in kindergartens and nursery schools - in collaboration with Laura Barca, ISTC-CNR
2021-23	Collaboration with elementary schools for a project in the elementary schools for education to multisensoriality - in collaboration with Laura Rio, Mariagrazia Benassi, Luisa Lugli, (Università di Bologna)
2019-21	Collaboration with elementary schools for a project on affordances in children - in collaboration with Laura Rio, Mariagrazia Benassi, Luisa Lugli, (Università di

	Bologna)
2023	Member of the funded “terza missione” project “Ascoltare la comunità autistica per migliorare la conoscenza dell'autismo, l'accessibilità degli studenti autistici all'università e la ricerca scientifica Terza Missione”, PI prof. S.M.Aglioti, Numero protocollo: TM12117D2322F8D6
2021	Collaboration with Stella Maris, Pisa, for research on abstract concepts in autistic children and their parents (dr. Antonio Narzisi, dr. Maddalena Fabbri Destro)
Since 2021	

Part XI-C – Press and media

Year Activity: Press and media (selection)

2002	<p>Book Borghi, A.M., Iachini, T. (Eds.) (2002). <i>Scienze della mente</i>. Bologna: Il Mulino.</p> <p><u>Press release (in Italian):</u> Il sole XXIV ore, review-article by Michele di Francesco: Cognizioni della mente Le scienze, review-article by Sandro Modeo Galileo online, review-article by by Matteo Bartocci AI portal – review-article by Ignazio Licata Teorie e modelli: review-article by Cristiano Castelfranchi, and reply of the two editors</p>
2010	<p>2010. Colzato, L., van Beest, I., van den Wildenberg, W.P.M., Scorolli, C., Dorchin, S., Meiran, N., Borghi, A.M., Hommel, B. (2010). God, do I have your attention? <i>Cognition</i>, <i>117</i>, 87-94. 32. doi: 10.1016/j.cognition.2010.07.003</p> <p><u>Press release (based on interviews with Anna Borghi) (in Italian):</u> La Repubblica, December 15, 2010: “Siete attenti al dettaglio? Dipende dal vostro credo religioso” Interview to Anna Borghi on Radio 24 Il Resto del Carlino Bologna, December 16, 2010 Il giornale, December 15, 2010: “Atei e credenti vedono il mondo in modo diverso”, Liberazione, 15/12/2010. Scienza: atei e credenti vedono le immagini in modo diverso (http://www.liberazione.it/news-file/Scienza--atei-e-credenti-vedono-le-immagini-in-modo-diverso---LIBERAZIONE-IT.htm) National Geographic Italia, “Dimmi di che religione sei e ti dirò come vedi”, December 15, 2010, “http://www.nationalgeographic.it/scienza/2010/12/15/foto/religione_differenze_percezion_e_immagini-151582/4/”</p>
2012	<p>Special issue of Sistemi intelligenti on <i>Social cognition</i>, edited by Anna M. Borghi and Fausto Caruana.</p> <p><u>Press release (in Italian):</u> Sole XXIV ore, review-article by Riccardo Viale “L’incorporazione della socialità”</p>
2016	<p>Book Caruana, F., Borghi, A.M. (2016). <i>Il cervello in azione</i>. Bologna: Il Mulino</p> <p><u>Press release (in Italian):</u> Review article on Brain Factor Review-article on <i>Mente e cervello</i> Review-article on <i>Il corriere della sera</i></p>

	<p>Review-article on Il Sole XXIV Ore, February, 17, 2002, n. 46, p. 39</p>
2018	<p>Special issue on Philosophical Transactions B: Biological Sciences, Borghi, A.M., Barca, L., Binkofski, F., Tummolini, L. (2018). Varieties of abstract concepts, and article Abstract concepts, language and sociality: from acquisition to inner speech. <i>Philosophical Transactions of the Royal Society : Biological Sciences</i>, 5;373(1752). <u>Press release (in Italian)</u> Galileo, https://www.galileonet.it/perche-fantastichiamo-muoviamo-bocca/ - 20/06/2018, il Venerdì' (la Repubblica) PER PENSARE SERVE LA BOCCA: ATTENTI AL CIUCCIO (G.Villoresi) - 13/07/2018</p>
2019	<p>RAI Scuola, program Nautilus, "Una questione di tatto", invited guest. https://www.cnrweb.tv/studiare-il-tatto/ https://www.raisplay.it/video/2019/09/RAISCUOLA-PT-46-NAUTILUS-TATTO-bdfba72f-ec2b-4e99-aa6b-8fca477b4d1e.html</p>
2020	<p>Marie Claire, interview on the lockdown memories, Ferdinando Cotugno, 2.05.2020, https://www.marieclaire.it/lifestyle/coolmix/a32431963/cosa-ricorderemo-del-lockdown</p>
2021	<p>Contribution for “videolesico di Mente e linguaggio, Rivista Italiana di Filosofia del Linguaggio, RIFL, https://www.youtube.com/watch?v=zxYRtTQcM0Q</p>
2022	<p>Article Borghi A.M. (2022). Concepts for which we need others more: The case of abstract concepts. Current directions in Psychological Science. <u>Press release (in English)</u> News on APS – Association for Psychological Science. https://www.psychologicalscience.org/news/releases/new-content-from-current-directions-in-psychological-science-2022-july-15.html</p>
2022	<p>“AN INTERVIEW with ANNA BORGHI” – by Lorenz Lowis – Painting Onions Podcase – youtube link: https://www.youtube.com/channel/UCi8JDNTQbDS0YMd731a_5jw</p>
2024	<p>April 17, 2024: Brainpondering podcast with Mark Mattson - conversations with scientists at the frontiers of brain research - YouTube: https://www.youtube.com/watch?v=9gRVipomWu8&t=1786s; Spotify: https://open.spotify.com/episode/0VqoBcLVIIsgc7kR9AX9iq</p>
2024	<p>Discussant at the presentation of Guy Dove (University of Louisville), Concepts require flexible grounding. <u>Discussants</u>: Anna Borghi (Sapienza-CNR), Leo Fernandino (Wisconsin), Joseph McCaffrey (Nebraska), Christian Michel (Edinburgh). Webinar organized by <i>The Neural Mechanisms Online Team</i> (Fabrizio Calzavarini, Davide Coraci & Marco Viola)</p>
2024	<p>June 19, 2024. Interview of Anna Borghi - RAI TRE (in italiano) - TG LEONARDO, servizio di Mauro Scanu - Tecnologia e cervello all'esame di maturità - on learning and new technologies - https://www.rainews.it/tgr/piemonte/video/2024/06/tecnologia-cervello-maturita-esame-f6c2da48-ddad-4619-9d56-b372bdc55d16.html https://www.rainews.it/tgr/piemonte/video/2024/06/tecnologia-cervello-maturita-esame-f6c2da48-ddad-4619-9d56-b372bdc55d16.html?nxtep</p>

Part XII– University Service – Institutional and Management Responsibilities (selection)

Year	Service
2009-10	Member of the Governing Board (giunta) of the Department of Psychology, University of Bologna
2010-2015	Member of the PhD program Philosophy, science, cognition, and semiotics, University of Bologna
2016-current	Member of the PhD program Psychology and Social Neuroscience, Sapienza University of Rome
2015-16	Member of the Commissione Spazi, Department of Psychology, University of Bologna
2017-current	Responsible for Mobility of Erasmus students (RAM), Department of Dynamic and Clinical Psychology, Sapienza University of Rome, Italy
2021-current	Member of the Commissione assegni di ricerca, Dipartimento di Psicologia Dinamica, Clinica e Salute, Sapienza
2017-21	Member of the Governing board (giunta) of the Department of Dynamic and Clinical Psychology, Sapienza University of Rome
2018-21	Secretary of the Ethical Committee of the Department of Dynamic and Clinical Psychology, and Health Studies
2018-2023	Member of the “Commissione Ricerca,” Department of Dynamic and Clinical Psychology, and Health Studies
2024	Head of the “Commissione Ricerca,” Department of Dynamic and Clinical Psychology, and Health Studies

Part XIII – Responsibility of international exchange programs and international collaborations

2017-current	Responsible for Mobility of Erasmus students (RAM), Department of Dynamic and Clinical Psychology, Sapienza University of Rome, Italy
2021-current	Responsability of an Erasmus staff exchange, School of Applied Psychology, University College Cork (dr. Setti, dr. Chen)
2021-current	PI of an H2020 EU twinning project, aimed at the exchange of Master students and PhDs between universities (other universities involved: Warsaw University, Poland; Aarhus University, Denmark; Manchester University, UK).
Since 2017	<p>Visitor professors invited since when I moved to Sapienza:</p> <ul style="list-style-type: none"> • Martin Fischer, Potsdam University, Germany (grant program professori visitatori) • Bodo Winter, Birmingham, UK (grant program professori visitatori) • Claudio Brozzoli, INSERM, France (visitor)
Since 2017	<p>International PhD students and post-docs since when I moved to Sapienza:</p> <ul style="list-style-type: none"> • Francois Foerster (cognitive neuroscience), 2018, Plymouth University, UK • Mina Ghandhari (linguistics), Iran, 2019 • Arthur-Henry Michalland (psychology), University of Montpellier, France, 2019-2020 • Borys Jastrzebski (cognitive science), Warsaw University, Poland, 2021 • Quentin Marre (psychology), Toulouse University, France, 2021 • Johanne Nedergard (psychology and cognitive science), Aarhus University (Denmark), 2022
	Many international collaborators, as testified by the numerous publications with colleagues of foreign universities.

Part XIV – Research Activities

Keywords

Brief Description

<p>Cognition, Language, Categorization, Concepts, Action, Affordances, Social interaction, Linguistic variability, Lifespan perspective</p> <p>Open science</p>	<p>My research interests concern the relationships between objects, concepts, language and action.</p> <p>I am interested in</p> <ul style="list-style-type: none"> • how language is grounded in sensorimotor, interoceptive and bodily experiences (embodied and grounded views of cognition); • how linguistic experience and its social and communicative dimension shapes human perceptual, motor and thinking process. <p>I work on how objects evoke actions, i.e., objects affordances, how the presence of others influences our relationship with objects (social affordances), the sense of ownership, affordances and the sense of body, and how affordances are conveyed through language.</p> <p>In recent years I have worked extensively on abstract concepts and the words that express them (e.g., “freedom”), and the bodily actions they elicit, focusing in particular on their social dimension. In this area with my group we have proposed a new theory, called WAT (Words As social Tools). The monograph for Cambridge University Press “<i>The freedom of words: On abstractness and the power of language</i>” (2023) summarizes my research in this area.</p> <p>Lately I have focused also on specific kinds of concepts – I am interested in gender concepts and ecological and technological concepts and how their representation changes depending on the context and across the lifespan.</p> <p>I investigate concepts and language with a lifespan perspective – I have worked on conceptual acquisition and development and on the decline of semantic memory with aging.</p> <p>I conduct mostly behavioral research (response times recording, kinematics, eye tracker) but also TMS and EEG studies; in collaboration with other researchers I have occasionally performed fMRI and thermal imaging studies and have carried out computational studies with neural networks simulations.</p> <p>I am committed to the principles of Open and Reproducible Science, which I pursue both in my own research practices and in my mentoring, encouraging my trainees to adopt practices like preregistration, pre-registered reports, and data and code sharing on open platforms such as Open Science Framework.</p>
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Part XV – Summary of Scientific Achievements (updated

Product type

Number

Data Base

Start

End

Papers	193	Scopus	1995	2024
Books [international]	2	Google Scholar		
Books [national]	4	Google Scholar		

Edited books [international]	4	Google Scholar		
Edited book [national]	1	Google Scholar		

Total Citations	5227 Scopus,	10990 Google Scholar
Hirsch (H) index	39 Scopus,	57 Google Scholar

Part XVI– Publications, organized in sub-types, invited talks and conference abstracts

Part XVI-A – International and national monographs and edited books

Volumes / Monographs:

In English:

2. Borghi, A.M. (2023). *The freedom of words: On abstractness and the power of language*. Cambridge: Cambridge University Press. ISBN: 9781108842907. doi: 10.1017/9781108913294. Publication date: August 10, 2023.

1. **Borghi, A.M.**, Binkofski, F. (2014). *Words as social tools: an embodied view on abstract concepts*. New York/ Berlin: Springer. Ebook ISBN: 978-1-4614-9539-0. Softcover ISBN: 978-1-4614-9538-3.

In Italian:

4. Caruana, F., **Borghi, A.M.** (2016). *Il cervello in azione*. Bologna: Il Mulino. EAN: 9788815263636

Press release: Recensioni (in Italiano): Brain factor; Mente e cervello; Il corriere della sera

3. Liuzza, MT., Cimatti, F., **Borghi, A.M.** (2010). *Lingue, corpo e pensiero: Le ricerche contemporanee*. Roma: Carocci. ISBN:9788843054398.

2. Nicoletti, R., **Borghi, A.M.** (2007). *Il controllo motorio*. Bologna: Il Mulino. ISBN: 978-88-15-11886-8.

1. **Borghi, A.M.** (1986). *L'organizzazione della conoscenza. Aspetti e problemi*. Bologna: Pitagora. ISBN, 8837108923, 9788837108922. 148 pages.

Edited books (4 in English, 1 in Italian)

5. Jin, Z., Tirassa, M., **Borghi, A.M.**, eds. (2019). *Beyond Embodied Cognition: Intentionality, Affordance, and Environmental Adaptation*. Lausanne: Frontiers Media. doi: 10.3389/978-2-88945-815-8. E-book.

4. Setti, A., **Borghi, A.M.** (2018). (Eds.) *Embodied Cognition Over the Lifespan: Theoretical Issues and Implications for Applied Settings*. Frontiers Research Topics. ISBN 978-2-88945-492-1. DOI 10.3389/978-2-88945-492-1. E-book

3. Pellicano, A., **Borghi, A.M.**, Binkofski, F. (2017). (Eds.) *Bridging the theories of affordances and limb apraxia*. Frontiers Research topic. ISSN 1664-8714, ISBN 978-2-88945-225-5, DOI 10.3389/978-2-88945-225-5. E-book.

2. **Borghi, A.M.**, Pecher, D. (2011) (Eds.). *Embodied and Grounded Cognition*. Frontiers Research topic. ISSN 1664-8714, ISBN 978-2-88919-013-3, DOI 10.3389/978-2-88919-013-3. E-book.

1. **Borghi, A.M.**, Iachini, T. (Eds.) (2002). *Scienze della mente*. Bologna: Il Mulino. (2nd edition, 2004). 978-88-15-08430-9.

Borghi, A.M., Iachini, T. (2002). Introduzione. In Borghi, A.M. & Iachini, T. (eds.). *Scienze della mente*. Bologna: Il Mulino, pp. 7-26.

Chapters: **Borghi, A.M.** (2002). Concetti e azione. In Borghi, A.M. & Iachini, T. (eds.). *Scienze della mente*. Bologna: Il Mulino, pp. 203-222.

Press release: Recensioni (in Italiano): Il Sole XXIV Ore, February, 17, 2002, n. 46, p. 39. Michele Di Francesco, "Cognizioni della mente", Le Scienze, Sandro Modeo; Galileo, Matteo Bartocci; portale di AI – Ignazio Licata. Rivista; Teorie e Modelli: Recensione di Cristiano Castelfranchi and reply of the two editors.

Part XV-B - Papers in peer reviewed international journals – in English = 165 (excluding all conference abstracts and proceeding)

[(163. **Michalland et al.** preregistered report, Royal Society open (in principle acceptance)

165. Falcinelli, I., Fini, C., Mazzuca, C., & **Borghi, A.M.** (2024). The **green** domain: a review on the conceptualization of geographical and geopolitical entities. *Frontiers in Psychology*, *15*, 1389581.

164. Falcinelli, I., Fini, C., Mazzuca, C., & **Borghi, A.M.** (2024). The TECo Database: Technological and Ecological Concepts at the Interface between Abstractness and Concreteness. *Collabra Psychology*, *10(1)*.

163. Mirabella, M., Mazzuca, C., De Livio, C., Di Giannantonio, B., Rosati, F., Lorusso, M. M., Lingiardi, V., **Borghi, A. M.**, & Giovanardi, G. (2024). The role of language in nonbinary identity construction: Gender words matter.. *Psychology of Sexual Orientation and Gender Diversity*. Advance online publication. <https://dx.doi.org/10.1037/sgd0000729>. **IF 2023: 3.8**.

162. Filosa, L., Sommovigo, V., Tavolucci, S., Rosa, V., Alivernini, F., Baiocco, R., **Borghi, A.M.**, Chirico, A., Fini, C., Palombi, T., Pistella, J., Lucidi, F. & Alessandri, G. (2024). Daily associations between global self-esteem and self-concept clarity and their relationships with subjective well-being in a sample of adult workers. *Journal of Personality*.

161. Pistella, J., Baiocco, R., Antonucci, C., Alessandri, G., Alivernini, F., **Borghi, A. M.**, Filosa, L., Fini, C., Palombi, T., Tavolucci, S. & Lucidi, F. (2024). Older LGBT+ adults and physical activity: a systematic review of qualitative and quantitative data. *Sexuality Research and Social Policy*, 1-26.

160. Baiocco, R., Antonucci, C., Pistella, J., Alessandri, G., Alivernini, F., **Borghi, A. M.**, Chirico,

A., Filosa, L., Fini, C., Palombi, T., Rosati, F., Tavolucci, S. & Lucidi, F. (2024). Aging well in an aging society: physical health in older lesbian, gay, and bisexual adults. *Frontiers in Psychology*, *15*, 1369021.

159. Nico, D., **Borghi, A.M.**, Tummolini, L., Daprati, E. (2024). Abstract concepts and simulated competition. *Psychological Research*, *88*, 238–256. <https://doi.org/10.1007/s00426-023-01843-7>.

IF 2022: 2.3.

158. **Borghi, A.M.**, De Livio, C., Falcinelli, I., Gervasi, M. (2023). Beyond simple laboratory studies, toward interactive methods – Commentary on the Review Article: Beyond simple laboratory studies: Developing sophisticated models to study rich behavior. *Physics of Life Reviews*, *47*, 197-199. doi: [10.1016/j.plrev.2023.10.025](https://doi.org/10.1016/j.plrev.2023.10.025)

157. Gianelli, C., Kühne, K., Miklashevsky, A., Jeglinski-Mende, M., Canessa, N., & **Borghi, A.M.** (2023). COVID-19 and the perceived dangerousness of everyday objects: A behavioural online study in Italy and Germany. *Collabra: Psychology*, *9*(1).

156. Banks, B., **Borghi, A.M.**, Fargier, R., Fini, C., Jonauskaitė, D., Mazzuca, C., Montalti, M., Villani, C., Woodin, G. (2023). Consensus Paper: Current Perspectives on Abstract Concepts and Future Research Directions. *Journal of Cognition*, *6*(1):62. doi: 10.5334/joc.238. PMID: 37841672; PMCID: PMC10573588.

155. Fernyhough, C., **Borghi, A.M.** (2023). Inner speech as language process and cognitive tool. *Trends in Cognitive Sciences* *27*, *12*, 1180-1193. <https://doi.org/10.1016/j.tics.2023.08.014>

154. Mazzuca, C., **Borghi, A.M.**, van Putten, S., Lugli, L., Nicoletti, R., & Majid, A. (2023). Gender is conceptualized in different ways across cultures. *Language and Cognition*.

153. Fini, C., Tummolini, L., Dove, G., **Borghi, A.M.** (2023). Editorial: Insights in theoretical and philosophical psychology. *Frontiers in psychology*.

152. **Borghi, A.M.**, Falcinelli, I., Fini, C., Gervasi, A., & Mazzuca, C (2023) How Do We Learn and Why Do We Use Abstract Concepts and Words. *Front. Young Minds*. *11*:1138574. doi: 10.3389/frym.2023.1138574. <https://kids.frontiersin.org/articles/10.3389/frym.2023.1138574>

151. **Borghi, A.M.**, Gervasi, A. M., & Brozzoli, C. (2023). Language as a means to reduce uncertainty: Comment on " An active inference model of hierarchical action understanding, learning and imitation" by R. Proietti, G. Pezzulo, A. Tessari. *Physics of Life Reviews*, *46*, 261-263. DOI: [10.1016/j.plrev.2023.07.014](https://doi.org/10.1016/j.plrev.2023.07.014) .

150. Mazzuca, C., **Borghi, A.M.**, van Putten, S., Lugli, L., Nicoletti, R., & Majid, A. (2020). (in press). Gender is conceptualized in different ways across cultures. *Language and Cognition*. **IF 2022: 1.8.**

149. **Borghi A.M.**, Gervasi, A.M., Brozzoli, C. (2023). Language as a means to reduce uncertainty. *Physics of Life Reviews*. Ref.: Ms. No. PLREV-D-23-00108. Accepted on July 24, 2023. **IF 2022: 11.7.**

148. **Borghi, A.M.**, Falcinelli, I., Fini, C., Gervasi, A.M., Mazzuca, C. (accepted, in press). How do we learn and why do we use abstract concepts and words? *Frontiers for Young Minds*.

147. **Borghi, A. M.**, Mazzuca, C., Gervasi, A. M., Mannella, F., & Tummolini, L. (2023). Grounded cognition can be multimodal all the way down. *Language, Cognition and Neuroscience*, 1-5. **IF 2022: 2.3**
146. **Borghi, A.M.**, & Mazzuca, C. (2023). Grounded Cognition, Linguistic Relativity, and Abstract Concepts. *Topics in Cognitive Science*. doi: <https://onlinelibrary.wiley.com/doi/full/10.1111/tops.12663>. **IF 2022: 3.0**
145. Fini, C., Falcinelli, I., Cuomo, G., Era, V., Mazzuca, C., Candidi, M., Tummolini, L., **Borghi, A.M.** (2023). Breaking the ice in conversation: Abstract words prompt dialogues more easily than concrete words. *Language and cognition*, 34, 3. **IF 2022: 1.8, CIT: 2.**
144. **Borghi, A. M.**, Osińska, A., Roepstorff, A., & Raczaszek-Leonardi, J. (2023). Concepts in interaction: social engagement and inner experiences. *Philosophical Transactions of the Royal Society B*, 378(1870), 20210351. doi: 10.1098/rstb.2021.035. **IF 2022: 6.3**
143. **Borghi, A.M.**, Fernyhough, C. (2023). Concepts, abstractness, and inner speech. *Philosophical Transactions of the Royal Society B: Biological Sciences* 378(1870), 20210371. doi: 10.1098/rstb.2021.0371. **IF 2022: 6.3, CIT: 4.**
142. **Borghi, A. M.**, Shaki, S., & Fischer, M. H. (2022). Abstract concepts: External influences, internal constraints, and methodological issues. *Psychological Research*, 86(8), 2370-2388. **IF 2022: 2.3. CIT: 1.**
141. **Borghi, A. M.**, Shaki, S., & Fischer, M. H. (2022). Concrete constraints on abstract concepts. *Psychological Research*, 86(8), 2366-2369. **IF 2022: 2.3: CIT: 0.**
140. Bellagamba*, F., **Borghi***, **A.M.**, Mazzuca, C., Pecora, G., Ferrara, F., Fogel, A. (2022). Abstractness emerges progressively over the second year of life. *Scientific report*, 12, 20940. <https://doi.org/10.1038/s41598-022-25426-5>. **IF 2022: 4.6.**
139. Di Vincenzo, M., Palini, F., De Marsico, M., **Borghi, A.M.**, Baldassarre, G. (2022). A natural human-drone embodied interface: empirical comparison with a traditional interface. *Frontiers in Neurorobotics*. <https://doi.org/10.3389/fnbot.2022.898859>. **IF 2022: 3.1, CIT:1.**
138. Villani, C., Orsoni, M., Lugli, L., Benassi, M., **Borghi, A.M.** (2022). Abstract concepts in conversation. *Scientific report*, 12: 17572. <https://doi.org/10.1038/s41598-022-20785-5>. **IF 2022: 4.6, CIT:6.**
137. Paoletti, M., Fini, C., Filippini, C., Massari, G., D'Abundo, E., Merla, A., Bellagamba, F., **Borghi, A.M.** (2022). Abstract concepts processing induces parasympathetic activation: A thermal imaging study. *Frontiers in Psychology*. 13:932118. doi: 10.3389/fpsyg.2022.932118. **IF 2022: 3.8, CIT:1.**
136. Granato, G., **Borghi, A.M.**, Mattera, G., Baldassarre, G. (2022). A computational model of inner speech supporting flexible goal-directed behaviour in Autism. *Scientific Report*, 12, 14198. <https://doi.org/10.1038/s41598-022-18445-9>. **IF 2021: 4.6.**
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30. Lugli, L., D'Ascenzo, S., Baroni, G., **Borghi, A.M.**, Nicoletti, R. (2017). La direzione del movimento del corpo si riflette sulle operazioni di calcolo numerico. *Giornale Italiano di Psicologia*, 2, 467-474, DOI: 10.1421/87350.

29. Mazzuca, C., Barca, L., **Borghi, A.M.** (2017). The Particularity of Emotional Words: A Grounded Approach. *Rivista Internazionale di Filosofia e Psicologia*, 8, 2, 124-133. Doi: 10.4453/rifp.2017/0010.

28. Cimatti, F., Flumini, A., Vittuari, M., **Borghi, A.M.** (2016). Odors, words and objects. *RIFL-Rivista Italiana di Filosofia del linguaggio*.1: 78-91, DOI 10.4396/20160606.

27. **Borghi, A.M.**, Caramelli, N., Setti, A. (2016). How abstract is risk for workers? Expertise, context and introspection in abstract concepts. *Reti-Saperi-Linguaggi - Italian Journal of Cognitive*

Science, 1/2016, 5 (9), 89-112, special issue "Mind and language in action"

26. **Borghi, A.M.**, Cimatti, F. (2015). WAT (Words As social Tools): una prospettiva socio-corporea sulla cognizione umana. *Sistemi intelligenti*, 27(2), 361-372.

25. Scorolli, C., **Borghi, A.M.**, Tummolini, L. (2015). Indici visivi e giudizi impliciti di proprietà: Uno studio sperimentale. *Sistemi intelligenti*, 1, 209-220, DOI: 10.1422/79695.

24. Paglieri, F., Scorolli, C., **Borghi, A.M.** (2013). Modelli evolutivisti e differenze religiose: Alcuni problemi. *Sistemi intelligenti*, 25, 2, 355-361.

23. **Borghi, A.M.**, Scorolli, C.(2012). Parole come strumenti che estendono il corpo. *Sistemi intelligenti*, 24, 1, 117-12620.

22. Liuzza, M.T., Cimatti, F., **Borghi, A.M.** (2012). Linguistic tools for embodied minds. *RIFL*, 6, 2, 43-58. doi: 104396/20120704.

21. **Borghi, A.M.**, Cimatti, F. (2012). Words are not just words: the social acquisition of abstract words. *RIFL* - ISSN: 2036-6728. doi: . 10.4396/20120303.

20. **Borghi, A.M.**, Caruana, F. (2011). Cognizione sociale. Editoriale sul numero speciale La Cognizione Sociale, *Sistemi Intelligenti*, 23, 2, 219-222. Database: Google Scholar. **Issn 1120-9550.**

19. **Borghi, A.M.**, Gianelli, C., Lugli, L. (2011). La dimensione sociale delle affordance: Affordance tra io e altri. *Sistemi intelligenti*, 23, 2, 291-300, numero speciale La Cognizione sociale, a cura di A.M. Borghi & F. Caruana. Database: Google Scholar. **Issn 1120-9550.**

18. Lugli, L., Baroni, G., Gianelli, C., **Borghi, A.M.** (2011). L'importanza degli altri: Come il contesto relazionale influenza il sistema motorio. *Giornale Italiano di Psicologia*, 38, 703-710. Database: Google Scholar.

17. **Borghi, A.M.** (2010). Parole, non simboli. Commento a Paternoster. *Sistemi intelligenti*, 1, 161-168. Database: Google Scholar. **Issn 1120-9550.**

16. **Borghi, A.M.** (2009). Comprensione del linguaggio: movimento, azione, socialità. *Teorie e modelli*, XIV, 1, 67-77. Database: Google Scholar. **ISSN 0393-2834.**

15. **Borghi, A.M.**, Montanari, F., Sarti, A. (2008). Il corpo clandestino. *Sistemi intelligenti*, 2, 341-346. Database: Google Scholar. **Issn 1120-9550.**

14. **Borghi, A.M.**, Nicoletti, R. (2008). Se leggo cappello mi muovo verso l'alto Movimento e comprensione di parole e frasi. *Giornale Italiano di Psicologia*, 3, 563-588. Database: Psychinfo, Google Scholar.

13. Sacchetti, S., **Borghi, A.M.** (2007). Concetti di oggetti e funzione: Ruolo della funzione canonica e effetti di contesto. *Giornale Italiano di Psicologia*, 34, 781-788. Database: Psychinfo, Google Scholar.

12. **Borghi, A.M.** (2007). Object concepts and embodiment: Why sensorimotor and cognitive processes cannot be separated. *La nuova critica*, 49-50, 90-107. **ISSN 1824 9663.** Database: Google

Scholar.

11. Borghi, A.M. (2006). Vita Artificiale e comportamento: Simulazioni su categorizzazione e azione. *Sistemi Intelligenti*, 18, 125-132. Issn **1120-9550**.

10. Caramelli, N., **Borghi, A.M.**, Setti, A. (2006). The identification of definition strategies in children of different ages. *Linguistica Computazionale*, 26, 155-177. ISSN 0392-6907 - ISBN 978-88-8147-576-6.

9. Caramelli, N., **Borghi, A.M.**, Setti, A. (2006). The relational structure of conceptual knowledge in children of different ages. *Linguistica Computazionale*, 26, 179-196. ISSN 0392-6907 - ISBN 978-88-8147-576-6.

8. Borghi, A.M. & Iachini, T. (2003). Risposta a Cristiano Castelfranchi. *Teorie e modelli*, VIII, 2, 107-113. ISSN **0393-2834**

7. Borghi, A. (2000). Le menzogne della mente. Recensione a *Mente* di Domenico Parisi. *Ricerca e Futuro*, 18, 107-108. ISSN **1593-4985**.

6. Caramelli, N., Montanari, A., **Borghi, A.M.** (1998). La conoscenza extralinguistica nella comprensione delle metafore nei bambini. *Età evolutiva*, 59, 1, 108-114. Data base: Psychinfo, Google Scholar.

5. Caramelli, N., **Borghi, A.** (1997b) L'organizzazione concettuale infantile: relazioni tematiche, tassonomiche e partonomiche. (Children's conceptual organization: The hierarchical structure of categories: perception vs. cognition). *Ricerche di psicologia*, III, 7-31. Data base: Psychinfo, Google Scholar.

4. Caramelli, N., **Borghi, A. M.** (1997a). L'organizzazione concettuale infantile: La struttura gerarchica delle categorie tra percezione e conoscenza. (Children's conceptual organization: The role of thematic, taxonomic and partonomic relations). *Ricerche di Psicologia*, II, 21, 7-31. Data base: Psychinfo, Google Scholar.

3. Caramelli, N., **Borghi, A. M.** (1995). La psicologia a Würzburg: il carattere teleonomico e selettivo del pensiero, *Axiomathes*, VI, 3, 349-374. Data base: Scopus, Google Scholar.

2. Caramelli, N., **Borghi, A.** (1994a). Lo studio dei concetti e dei processi di categorizzazione: teorie e modelli recenti. *Giornale Italiano di Psicologia*, XXI, 1, 23-44. Issn 0390-5394

1. Caramelli, N., **Borghi, A.** (1994b). Problemi teorici dello studio dei concetti e dei processi di categorizzazione. *Giornale Italiano di Psicologia*, XXI, 3, 339-366. Issn 0390-5394

Part XVI-E Book chapters in Italian (n. = 8)

8. Borghi, A.M. (2015). Il futuro è "embodied". In G. Buccino e M. Mezzadri (eds.), *Glottodidattica e Neuroscienze* (pp. 31-49). Firenze: Cesati.

7. Borghi, A.M., Nicoletti, R.(2012). Movimento e azione. In Cubelli R. e Job. R.(Eds.) *Psicologia dei processi cognitivi*. Roma: Carocci (pp. 121-144). isbn 978-88-430-6160-0

6. Baroni, G., Pellicano, A., **Borghi, A.M.**, Rumiati, R., e Nicoletti, R., (2012). Le nostre reazioni di fronte ai guadagni e alle perdite. In: G. Belleli e R. Di Schiena (a cura di) *Decisioni ed emozioni: Come la psicologia spiega il conflitto tra ragione e sentimento*. (pp. 64-84) Bologna, Il Mulino. ISBN 9788815234544
5. **Borghi, A.M.** (2002). Violazioni logiche nei processi di categorizzazione e nelle generalizzazioni induttive basate su categorie. In G. Mucciarelli & G. Celani (Eds.). *Quando il pensiero sbaglia. La fallacia tra psicologia e scienza*. Torino: UTET, pp. 120-156. Data base: Google Scholar. ISBN: 8877507640 ISBN 13: 9788877507648
4. **Borghi, A.M.** (2002). Concetti e azione. In Borghi, A.M. & Iachini, T. (eds.). *Scienze della mente*. Bologna: Il Mulino, pp. 203-222.
3. **Borghi, A.M.**, Iachini, T. (2002). Introduzione. In Borghi, A.M. & Iachini, T. (eds.). *Scienze della mente*. Bologna: Il Mulino, pp. 7-26.
2. Caramelli, N., **Borghi, A.M.** (2002). Sviluppi contemporanei. Immagini mentali. Concetti e categorizzazione. In Schönplflug W. e Schönplflug U. (a cura di), *Istituzioni di psicologia generale*, III italian edition edited by M. Olivetti Belardinelli e C. Fiorilli. Padova: Cedam, pp. 237-252. ISBN: 8813226667 ISBN 13: 9788813226664
1. Caramelli, N., **Borghi, A.M.**, Raffaelli, K. (1998) Come la descrizione linguistica di una storia cambia con l'età. In W. Battacchi, M. Bosinelli, P.E. Ricci Bitti, G. Trombini (eds.), *Le ragioni della psicologia - Saggio in onore di Renzo Canestrari*. Milano: Angeli, 348-359. ISBN: 9788846407931

Conference Presentations

Part XVI-F Invited speaker/discussant

- 1999, Discussant, First International Colloquium "Philosophy, Mind, and Society" on Categories and Belief, Turin, organized by the Laboratorio di Scienze Cognitive, Metodologiche ed Economico-Sociali (LASCOMES), Fondazione Rosselli
- 2003. Borghi, A.M. Concetti e azione: tra dati sperimentali e simulazioni connessioniste. Università della Calabria, Cosenza.
- 2005. Borghi, A.M. Azione e conoscenza concettuale. Dipartimento di Fisiologia, Università di Parma.
- 2005. Borghi, A.M. Object concept nouns and motor information. Amsterdam, July 6-9, 2005. Fifteenth Annual Meeting of the Society for Text and Discourse, **Symposium Perception and Action in Language Processing, Organizers: Rolf Zwaan, Katja Wiermer-Hastings.**
- 2005. Borghi, A.M. Concetti di oggetti e sistema motorio. Ospedale Maggiore, Dipartimento di Scienze Chirurgiche Specialistiche Biomateriali e Bioimpianti, **Università di Trieste.**
- 2006. Borghi, A.M. Oggetti, affordances, azione. Dipartimento di Psicologia, Università di Milano Bicocca.
- 2006. Borghi, A.M. Manipulable objects, words and action. Symposium Embodied Simulation, Kloster Irsee, 9-12 February 2006.
- 2006. Borghi, A.M. Concepts, words, and action. **University of Modena and Reggio Emilia**, April 26.

- 2006. Borghi, A.M. Concetti, parole e azione. **Workshop Linguaggio e scienze cognitive, University of Trieste**, Department of Psychology, May 18-19.2006.
- 2006. Borghi, A.M. Concetti, azione, imitazione, apprendimento motorio, **Master Le basi neurocognitive della riabilitazione motoria, Università di Trieste**. September 17, 2006.
- 2006. Borghi, A.M. Concettualizzazione, linguaggio e azione. IV Convegno nazionale di Neuroriabilitazione, **Azione, empatia ed imitazione nell'itinerario riabilitativo. Napoli, Centro Studi e Ricerca in Riabilitazione**. October 28, 2006.
- 2007. Borghi, A.M. Objects, words and action. Invited talk at the **CNRs Laboratoire de Psychologie et Neurocognition (CNRS UMR 5105), Université Pierre Mendès, Grenoble, France**.
- 2007. Borghi, A.M. Does experimental psychology require embodied models? or Why embodied models are badly needed in cognitive psychology. Invited talk within the 2 days workshop **From observations and experiments to modeling styles, Institute of Science and Technologies of Cognition, Rome, October 11-12, 2007**.
- 2007. Borghi, A.M., Riggio, L. Sentence comprehension and affordances. Trieste, the XV Kanizsa Lecture & Trieste Symposium on Perception and Cognition. November 22-23. See also Coackroaches to culture: current controversies in cognition, November 24-25, Trieste (poster by Claudia Scorolli).
- 2008. Borghi, A.M. Cognizione embodied e simulazione motoria: Studi sul linguaggio. Tavola rotonda: **IMMAGINI DELLE STRUTTURE, IMMAGINI DELLE FUNZIONI? NEUROSCIENZE TEORICHE E APPLICATE**. June 5-6, Noto, CODISCO (see website)
- 2008. Borghi, A.M. Visuomotor priming and compatibility effects. **Cognitive Neuroscience Conference** (see website). **School of Psychology, Birmingham**. June 26-27.
- 2008. **Rome**, September 16-17. Tavola quadrata su: **Scienze cognitive, neuroscienze, e ISTC**. Partecipano: Salvatore Aglioti, Anna Borghi, Patrizio Pasqualetti, Giuseppe Vallar, Pierluigi Zoccolotti.
- 2008. **Rome**, September 22-24. iTALK (Integration and Transfer of Action and Language Knowledge) **Roadmap Meeting Workshop**. (program: pdf)
- 2009. **Lille**, France, January 28-31. **Motor representation and language of space**. European Science Foundation. Organizers: Angela Bartolo, Yann Coello.
- 2009. **Ancona**, May 23. Allenare il cervello. Il contributi delle recenti scoperte delle neuroscienze per l'apprendimento motorio-sportivo. CONI.
- 2009. **Reggio Emilia**, May 25. Perspectives on Embodied and grounded cognition. Giornata su Danza, neuroscienze, transmedialità. (program: pdf)
- 2009. **Atlanta**, Georgia, USA, September 28-30. Neural correlates of object recognition and action. Title: Sensorimotor transformations: implications for objects and affordances.
- 2009. **Philadelphia**, PA, October 1. Talk at the University of Pennsylvania, NCRRN. 3400 Spruce Street, 3 West Gates Bldg, Neurology Conference Room. Title: Seeing hands, seeing objects, seeing words.
- 2010. **Plymouth**, UK, January 13. Talk at the University of Plymouth. Title: Acting with objects, interacting with others.
- 2010. **Zurich**, CogSys, January 27. Talk at the Cognitive Systems Conference. Title: Stable and variable affordances. A contribution of the ROSSI project.
- 2010. **Nijmegen**. Discussant, Workshop The Embodied Mind: Perspectives and Limitations. Radboud University Nijmegen, October 27-28, 2010.
- 2010. **Nijmegen**. Talk at Donders Institute, Spinozageboud: Affordances, automaticity and embodied cognition. November, 2, 2010.
- 2010. **Milano**, talk at University of Milano, Department of Philosophy (seminars

organized by C.Sinigaglia). Mani, oggetti e parole. December 17, 2010.

- 2011. **Cremona**, workshop: **Che cos'e' un soggetto, Ontologie della soggettività tra comune e singolare** (talks: Anna Borghi, Massimo De Carolis, Vittorio Gallese, Paolo Virno). Organized by singolarecomune, February 19, 2011.
- 2011. **Wien**. Talk: Embodied cognition and language comprehension: Motor chains and social aspects. within the Workshop **The mirror neuron system and embodiment: Implications for Psychotic Disorders**. Other speakers: Ferdinand Binkofski, Giovanni Buccino, Anna Borghi, Tilo Kircher. 19th European Congress of Psychiatry – EPA 2011. March 12-15, 2011.
- 2011. **Montreal**. Talk Comprehending words, comprehending actions within the **Symposium Embodied Language Processes: From Words to Stories** (speakers: 1. Learning Words and Actions in an Embodied System Erin R. Hahn, Lisa Gershkoff-Stowe, 2. Basic Emotions and Early-Learned English Verbs Josita Maouene, 3. Comprehending Words, Comprehending Actions Anna M. Borghi, 4. Preschoolers Simulate a Character's Movements During Story Comprehension Agnieszka M. Polanowski Fecica, Daniela O'Neill). 2011 Society for Research in Child Development SRCD Biennial Meeting, Montreal, Canada, April 1, 2011.
- 2011. **Aachen, April 7**. Invited talk: **Words, affordances, actions**. Colloquium on Disorders of Communication and Cognition, **Universitätsklinikum der RWTH Aachen**.
- 2011. **Aachen**, April 8-9,2011. Invited talk **Affordances, tools, and words as tools** at the symposium Exbodied mind. Motion on communication and cognition research, RWTH Aachen University. pdf of the program.
- **2011. Cefalù, Sicily**, April 19. Invited talk at the **international workshop on Vision, Action and Language Embodiment**. pdf of the program.
- **2012. Kaliningrad, Russia**, June 18-24, THE FIFTH INTERNATIONAL CONFERENCE ON COGNITIVE SCIENCE. Claudia Scorolli, Anna Borghi: Words as tools. An extended view. Kinematics evidence. Symposium **Neurocognitive Mechanisms of Human Linguistic Behavior**.
- 2013. Potsdam, Germany, ESLP, Embodied and Situated Language Processing, invited talk: Abstract concepts and words. The role of social acquisition. Potsdam, Germany, July 29-31.
- 2013. Cambridge, UK, September 2-4. Embodied language II. Invited talk: Language, affordances and the bodily space.
- 2013. University of Arezzo, October 7-9. Conference Epistemologia della conoscenza ordinaria. Percezioni, rappresentazioni, concetti, linguaggi, inferenze, ontologie e senso comune. Invited talk: Objects, words, abstract words: An embodied and grounded approach.
- 2013. Roma, ISTC-CNR. October 9-10. Workshop Language and Cognition in Embodied Agents. Invited talk: Words as tools. Language, affordances and the bodily boundaries.
- 2013. Napoli, November 21. AISC. Simposio Scegliere il futuro: Prospettive interdisciplinari. Speakers: Petrillo, Bellagamba, Borghi, Paglieri.
- 2014. Parma, April 28. Tra neuroscienze e glottodidattica: ponti in costruzione. Organizers: Giovanni Buccino, Marco Mezzadri. Speakers: Anna Borghi, Giovanni Buccino, Paola Marangolo, Gabriella Vigliocco.
- 2014. Rome, December 3. AISC-CODISCO conference. Keynote talk: Truth, freedom and phantasy are difficult to explain: a proposal onabstract concepts and words
- 2015- Rome, May 15. CLASTA conference. Invited presentation to the talk of Corrado Sinigaglia.
- 2015. Berlin, Institute of Mind and Brain, Humboldt University, October 23-24. Conference "Impure perception", organized by Jesse Prinz and by the Einstein group. Invited

talk: Motor and linguistic contaminations of perception: From object affordances to abstract concepts. Further invited speakers: Dustin Stokes; Bence Nanay; Panos Athanasopoulos, Sally Linkenauger, Jesse Prinz.

- 2016. Berlin, Institute of Mind and Brain, Humboldt University, May 1-2. 4th Einstein Group Workshop. Invited talk: Words as social tools: mouth activation with abstract concepts <http://www.einsteinmindbrain.de/>
- 2016. Rome, Modelact conference, June 6-7. Invited talk: From affordances to abstractness: An embodied and grounded perspective on language. Modelact conference
- 2016. Rome, Deleuze Camp, 4-8 July. July 6. Invited talk: Embodied and grounded cognition. With Felice Cimatti.
- 2017. Wien, March 23-25. International Convention of Psychological Science (ICPS). Invited talk (symposium **Novel approaches to numerical cognition**): Counting and movement.
- 2017. Firenze, March 28. Invited talk: Parole e azione. Department of Letter and Philosophy (prof. Silvano Zipoli-Caiani).
- 2017. Padua, May 19. Invited talk: at the conference [Mind, Brain, and Body. A Neuroethical Perspective – Padua – May 17th-19th, 2017](#).
- 2017. Potsdam, ESCOP conference, September 3-6. Invited talk at the symposium Symbolic or Grounded? Abstract meaning in the human mind and brain. Organized by F. Pulvermuller (participants: M. Arbib, A. Borghi, G.Dove, A.Glenberg, F. Pulvermueller, G. Vigliocco)
- 2017. Berlin School of Mind and Brain, September 7. Workshop and Panel discussion. **Neurocognitive Mechanisms for Abstract Concepts**. Organizers: M.Fischer, F.Pulvermueller, M. Pauen. Participants: F.Pulvermueller, G.Dove, A.Borghi, C.Gianelli, L.Grisoni, M.Arbib, A.Glenberg.
- 2017. Bari, Aip Sperimentale, September 21. Talk Concetti astratti, linguaggio e socialità within the symposium "Concetti astratti: diversi tipi, molteplici rappresentazioni" Participants: Anna Borghi, Sara Dellantonio & Remo Job, Marta Ghio & Marco Tettamanti, Luca Tummolini. AIP Sperimentale, Bari, September 20-22, 2017.
- 2017. Torino, October 12-13.. Conference Neural mechanisms - Among philosophy and neuroscience. Invited talk (together with C.Becchio, A.Paternoster, A.Plebe, C.Sinigaglia).
- 2017. Firenze, October 21. Atletica del cuore 2. Invited talk: The relationship between cognition and body.
- 2017. Roma, November 19-20, AIDEE conference Neuroscienze, sviluppo, disprassia. Invited talk: Affordance tra percezione, azione e cognizione (Affordances among perception, action, and cognition).
- 2017. Palermo, November 24-25. SINP (società italiana di neuropsicologia) conference. Invited talk in a symposium Il ruolo del linguaggio nella categorizzazione: il caso dei concetti astratti. (The role of language in conceptualization: the case of abstract concepts.) (organizer:G.D. Zannino, participants G.D.Zannino, C.Silveri, A.Borghi, M.Marelli)
- 2018, Venice, November 23. Invited talk: Abstract concepts, language, languages (on abstract concepts and language diversity). Seminar organized by F.Batisti, L.Perissinotto.
- 2019. SFL. XXV Congresso della Società di Filosofia del linguaggio. Cagliari January 23-25. Invited talk, with Felice Cimatti: Emozioni tra corporeità e astrattezza.
- 2019, June 11, OHBM (Human Brain Mapping), symposium Specialised Functional Networks in Social Behavior: Life trajectories, sex differences, diversity organized by Danilo Bzdok and Tim Poeppel. Fini, Borghi: Sociality: from affordances to abstract concepts. Other participants: Giorgia Silani, Frank Van Overwalle, Tim Poeppel.
- 2019, July 8-9. Invited talk (keynote): Abstract concepts and action. Conference

Deictic Communication, organized by K.Coventry, July 8-9, University of East Anglia, Norwich (other keynote speaker: Ronald Langacker)

- 2019, September 25-29. ESCOP conference, Tenerife. Invited talk: Embodied cognition and abstract concepts, Symposium The future of embodied cognition, organized by M.Ostarek, F.Huettig (Other participants: Gabriella Vigliocco, Rolf Zwaan, Pia Knoeferle, Falk Huettig, Markus Ostarek).
- 2019, October 9. CEU, Central European University, Budapest. Invited talk (group prof. Knoblich & Sebanz): Grounding abstractness (and the case of ownership).
- 2019, October 10. University of Salerno, Fisciano. Talk "Embodiment e linguaggio". Keynote speaker at the conference Embodiment e scuola. Other keynote speakers: Dor Abrahamson, Arthur Glenberg, Pier Cesare Rivoltella).
- 2020, October 22. University of Moscow, Talk "Abstract concepts and sociality". Conference Systems organization of individual and collective cognition. Organized by prof. Alexandrov, Poppel, Sams, Ushakov.
- 2020, November 12. University of Messina: invited talk: Il cervello in azione, I concetti astratti. Organizers (Pietro Perconti, Valentina Cuccio, Alessandra Fasano).
- 2021, September 8. AIP sperimentale, Lecce, invited talk in a symposium (organizer: Laura Barca). Logical amore, gatti e martelli: esperienza sensorimotoria ed interocettiva nella rappresentazione dei concetti.
- 2021, September, ESLP (Embodied and Situated Language Processing), Invited talk: Abstract concepts in interaction. Organizer (Claudia Gianelli).
- 2021, September 20. University of California, Merced, Invited talk: Grounding abstract concepts: The role of bodily, linguistic, and social experience. Organizer: Mike Spivey.
- 2021, October. Conference Credictions – An interdisciplinary challenge, Hannover, 2021. Talk: Abstractness and language.
- 2021, November 30, 2021. Talk in the framework of the meetings of the EU project Recognize, “Concepts for which we need the others more: The case of abstract concepts”.
- 2021, December 14, Noto, Sicily. Conference AISC, talk “The role of social and linguistic experience in grounding abstract words” in the symposium Varieties of symbol grounding for humans and machines organized by Ando Gangemi and Luca Tummolini.
- 2022, April 27. Lucca. Invited talk “Abstraction and abstractness: interaction with oneself and with others” within the IMT-CNR con joint session. “Semantic representation, abstractness and abstraction”.
- 2022, May 10. Bochum University, DE. Invited talk “Abstract concepts and inner speech”.
- 2022, May 23, Sapienza University of Rome. Introductory talk to the workshop: Experimental design for the study of abstract concepts in interaction”.
- 2022, May 27, Roma Tre University. Seminario *Il concetto di "rappresentazione" tra filosofia, scienze cognitive e psicologia*. Talk: “Rappresentazione tra concetti e parole” (organized by Guido Baggio, con Gabriele Ferretti, Marta Carava, Marco Viola).
- 2022, May 27. University of Tübingen, DE. Invited talk: “Abstract concepts between modal and amodal cognition”.
- 2022, June 14. Italian Institute of Technology (IIT) Genoa (prof. A. Wykowska) Invited talk, “Affordances, context, and flexibility”.
- 2022, July 14-15. University of Venice, Cà Foscari. Invited talk: “Language, languages, and abstract concepts”. International conference Language, languages, and Post-Cognitivism (LLPC) organized by Filippo Batisti, Luigi Perissinotto, Alberto Vittone.
- 2022, September 1. ESCOP conference, Lille. Invited talk in the symposium “Bodily and interoceptive dynamics” (organized by Laura Barca, with Laura Crucianelli, Giusi Porciello): “Interoception and bodily interaction in abstract concepts”.

- 2022, September 8, invited talk by the research group of prof. Annalisa Setti and Jason Chan, University College Cork, Ireland (CCC) (Erasmus exchange)
- 2022, October 14. Learning more festival 2022, Modena, <https://learningmorefestival.it/>, festival della formazione e dell'apprendimento. Invited talk: Imparare con il corpo: dagli oggetti ai concetti astratti. <https://learningmorefestival.it/eventi/imparare-con-il-corpo-dagli-oggetti-ai-concetti-astratti/>
- 2023, Rome, May 8. Conference AGING AT WORK: Diversity and Work Ability in the Technology and Big Data Era. Invited talk: Concepts and aging in the technology era.
- 2023, Roma, May 19. Roundtable on the future of intelligent machines, dedicated to Domenico Parisi. With Gianluca Baldassarre, Cristina Delogu, Rino Falcone, Marco Mirolli, Stefano Nolfi, Dimitri Ognibene, Vieri Santucci,
- 2023, University of Barcelona, May 26. Invited talk (Inner speech colloquium, organized by Daniel Gregory, Logos Group, and Marta Jorba: Inner speech and abstract concepts). <https://www.upf.edu/web/inact/activities>
- 2023, University of Sofia, May 30. Invited talk: Abstract concepts and social interaction.
- 2023, Sapienza University of Rome, June 15. COSAN Lab, prof. Aglioti. Invited talk: Abstract concepts and social interaction.
- 2023, September 18, AIP sperimentale, Lucca. Invited talk at the symposium organized by Laura Barca “Effetti della pandemia sui processi cognitivi, decisionali ed affettivi della popolazione italiana”, talk “The new concept of Covid-19 - A sign of conceptual flexibility”
- 2023, Genoa. 7th International Symposium on Figurative Thought and Language (FTL7) - Keynote speaker: Language and embodied and grounded cognition: Problems and challenges.
- 2023, September 29-30. Embodied and Situated Language Processing (ESLP), Messina, Italy - Keynote speaker: Concepts, social interaction and knowledge outsourcing (other keynotes: Claudia Gianelli, Augustin Ibanez, Penny Pexman, Friedemann Pulvermueller).
- 2023, October 18. Invited talk at the University of Siena, Department of Social, Political and Cognitive Sciences (invitant prof. Giacomo Romano): “Inner speech and abstract concepts”
- 2023, November 15. Invited talk at the University of Venice,: “La libertà delle parole: concetti astratti e linguaggio”
- 2023, December 5. Invited talk at the conference Meditazione, Antropologia e Cognizione, Museo Civico di Zoologia, Rome, December 4-5, organized by Emiliano Bruner; talk: “Embodied and grounded cognition: Limitations and challenges”
- 2023, December 6. Invited talk at the conference Neuro-inspired AI and Developmental Robotics at Cergy/Paris, conference NeuroDevRob2023, organized by Alexandre Pitti; talk: “Concepts, abstractness, and social interaction”
- 2024, April 10. Invited talk at the conference “Conoscere lo Stato di diritto: Una ricerca interdisciplinare tra Filosofia del diritto e Psicologia cognitiva”, University of Bologna, Centro Alma-Human AI, Conference organized by Corrado Roversi and the PRIN project “Conoscere lo Stato di diritto”
 - 2024, May 23. Kazimierz-Dolny, Poland. Invited talk at the workshop: Traincrease closing conference. Title: Traincrease and the Body, Action, and Language Lab (BALLab).
 - 2024, June 14 - Invited talk at IUSS, Pavia. Title: Abstract concepts, uncertainty, and social interaction.
 - 2024, July 27, COGSCI 2024, Rotterdam, NL - Invited talk in a symposium The fundamental flexibility of abstract words. Organized by Joanna Rączaszek-Leonardi;

other speakers: Nick Chater, Dedre Gentner, Luca Tummolini.

Part XVI-G Conference abstracts

219. Fini C., Era V., Cuomo G., Falcinelli I., Mello M., Borghi A.M. (2024). Online vocal exchanges about abstract concepts foster automatic imitation between young conversational partners. EWIC, the 18th European Workshop on Imagery and Cognition. *13-15 June, Naples, Italy.*
218. Gervasi A.M., Mazzuca C., Borghi A.M.*, Brozzoli C.* (2024). The role of new verbal labels and inner speech in the acquisition and execution of novel actions. *European Society for Cognitive and Affective Neuroscience 2024. Ghent, Belgium.*
217. Fini C., Falcinelli I., Mazzuca C., Borghi A.M., Lucidi F. (2024). What does “Internet” mean to us as we age? A pluri-tasks investigation on the conceptualization of the technological domain across generations *Convegno Age.it, 20-22 May, Venezia, Italy.*
216. Gervasi A.M., Mazzuca C., Borghi A.M.*, Brozzoli C.* (2024). The contribution of language to the acquisition and execution of novel actions. *Behavioral Neuroscience Conference 2024. Rome, Italy.*
215. De Livio C., Mazzuca C., Mirabella M., Di Giannantonio B., Baiocco R., Lingiard V., Giovanardi G., Borghi A. M. (2023). Investigating Conceptual Representation of Gender Identity in the Italian Language: A Mixed Methodology Study. *Embodied and Situated Language Processing 2023.*
214. Gervasi A.M., Mazzuca C., Borghi A.M.*, Brozzoli C.* (2023). Addressing the role of new verbal labels associated with novel actions: a behavioral study. *Embodied and Situated Language Processing 2023. Messina, Italy.*
212. Gervasi A.M., Mazzuca C., Borghi A.M.*, Brozzoli C.* (2023). Investigating the association of new verbal labels with novel actions, a behavioral study. *Society for the Neurobiology of Language 2023. Marseille, France.*
211. Fini C., Tummolini L., A.M. Borghi "Contextual modulation of preferred social distance during the Covid-19 pandemic", Seminar: Tre anni di RID. Cosa ci ha insegnato la ricerca in dialogo. Università di Roma “La Sapienza”, 10 June, 2023, *Rome, Italy.*
210. Mazzuca, C., Mirabella, M., De Livio, C., Di Giannantonio, B., Rosati, F., Pistella, J., Baiocco, R., Lingiard, V., Borghi, A.M., & Giovanardi, G. (December, 2023). The role of language in non-binary identity construction: gender words matter. Seminar: Tre anni di RID. Cosa ci ha insegnato la ricerca in dialogo. Università di Roma “La Sapienza”, 10 June, 2023, *Rome, Italy.*
209. Mazzuca, C., Arcovito, M., & Borghi, A. M. (December, 2023). Is water H₂O? Differences and similarities in the conceptualization of water across chemists and non-chemists. 19th Annual Conference of the Italian Association of Cognitive Sciences (AISC), Università di Genova. 207.
208. De Livio C., Mazzuca C., Mirabella M., Di Giannantonio B., Baiocco R., Lingiard V., Giovanardi G., Borghi A. M. (2023). Navigating the Interplay between Language Development and the Conceptual Representation of Gender Identity in the Italian Language: A Mixed Methodology Study. *Protolang 8*
207. Falcinelli, I., Fini, C., Mazzuca, C., & Borghi, A. (2023). Insights sull'organizzazione semantica del dominio ecologico: evidenze tramite un compito di valutazione. Tre anni di RID: cosa ci ha insegnato la ricerca in dialogo?

206. De Livio C., Mazzuca C., Fini C., Borghi A. M. (2023). Gender-diverse experiences at the interface between exteroception and interoception. An investigation on voice perception. 23rd Conference of the European Society for Cognitive Psychology.
205. Rossi V., De Livio C., Borghi A. M., Barca L. Pacifier Overuse and Processing of Abstract, Concrete and Metaphoric Sentences. Cognitive Science Arena 2023.
204. XXX AIP, Padova, September 2022. Mazzoni, S., Borghi, A.M., Bellagamba, F., Gennaro, A., Mazzoni, G., Paoletti, M. Acquisition and use of abstract concepts in the context of family interaction.
203. XXX AIP, Padova, September 2022. Fini, C., Falcinelli, I., Cuomo, G., Era, V., Candidi, M., Tummolini, L., Borghi, A.M. Is it easier to prompt a conversation with abstract than with concrete words?
202. Gervasi A.M., Borghi A.M., Mannella F., Tummolini L. (2022). Controllability and demonstrative choice: an experiment on the semantics of this and that. *18th Annual Conference of the Italian Association of Cognitive Sciences. Rovereto-Trento, Italy.*
201. XXX AIP, Padova, September 2022. Falcinelli, I., Mazzuca, C., Fini, C., Lamarra, T., Borghi, A.M. (2022). L'organizzazione nello spazio semantico dei concetti ecologici.
201. Falcinelli, I., Mazzuca, C., Fini, C., Lamarra, T., Borghi, A.M. (2022). "Emotions in the green": An analysis on the characterization of ecological concepts. AISC Midterm conference, June 6, Parma.
200. September. AIP Sperimentale 2021, Laura Rio, Luisa Lugli, Mariagrazia Benassi, Roberto Nicoletti, Anna M. Borghi. Gli adulti ci vedono una bottiglia, i bambini anche una maraca: uno studio sull'interazione con oggetti familiari e meno familiari.
199. September. AIP Sperimentale 2021, Lecce. Villani, C., Orsoni, M., Lugli, L., A.H., Benassi, M., Borghi, A.M. Conversazioni astratte e concrete: quali differenze?
198. September. AIP Sperimentale 2021, Lecce. Mazzuca, C., Falcinelli, I., Michalland, A.H., Tummolini, L., Borghi, A.M. Bodily, emotional, and public sphere at the time of COVID-19. An investigation on concrete and abstract concepts
196. Rio L., Lugli, L., Benassi, M., Nicoletti, R., Borghi, A.M. (2020). Database Italiano di Stimoli Familiari e Nuovi (FANS): 30 oggetti di uso quotidiano classificati secondo la familiarità e la frequenza d'uso dall'infanzia all'età adulta. XXVI Congresso AIP Sezione Sperimentale - 2-4 Settembre 2020
195. Villani, C., D'Ascenzo, S., Borghi, A.M., Roversi, C., Benassi, M., Lugli, L. (2020). Un'indagine sui concetti istituzionali. Il ruolo delle esperienze individuali nella rappresentazione concettuale. XXVI Congresso AIP Sezione Sperimentale - 2-4 Settembre 2020
194. De Bortoli-Vizioli, A., Borghi, A.M., Tummolini, L. (2020). When me is mine: An embodied origin of psychological ownership? COGSCI conference.
193. Barca, L., Borghi, A.M. (2019). The linguistic and social sides of pacifier use in infancy. Talk presented at the ESCOP conference, Tenerife, September 25-29 2019.
192. Scorolli, C., Pesciarelli, F., Borghi, A.M., Colzato, L., Hommel, B., & Cacciari, C. (2019).

Religious practice and anxious response to error: A comparison between Catholics and Seculars. Poster presented at the ESCOP conference, Tenerife, September 25-29 2019.

191. Rio, L., Lugli, L., Nicoletti, R., Borghi, A.M. (2019). The Italian Known and Unknown Everyday Objects Database. Poster presented at Donders Discussions 2019.189.

190. Villani, C., Lugli, L., Liuzza, M.T., Nicoletti, R., Borghi, A.M. (2019). Esperienze sensorimotorie, linguistiche e interocettive durante l'elaborazione di concetti concreti e astratti. Presentation at the XXV Congresso AIP Sezione Sperimentale, Milano-San Raffaele, September 18-20.

189. Mazzuca, C., Borghi, A.M., Lugli, L., Nicoletti, R., Majid, A. (2019). Gender is a flexible concept. A comparison of Italian and Dutch. Eurocogsci, 2-4 September 2019.

188. Rio, L., Lugli, L., Nicoletti, R., Borghi, A.M. (2019). Children are less bounded to functional fixedness than adults in interacting with objects. Poster presented at CAOS, Rovereto Workshop on Concepts, Actions, and Objects: Functional and Neural Perspectives, May 2-4, 2019.

187. Fini, C., Zannino G.D., Benassi M., Carlesimo A., Borghi A.M. (2019). Articulatory suppression delays processing of abstract concepts: the role of inner speech. Poster presented in Paris, ICPS (International Convention of Psychological Science), 7-9 March 2019.

186. Barca L., Mazzuca C., Borghi A.M. (2019). Sensorimotor Contribution to Language Processing. Overusing the Pacifier during Infancy Set a Footprint on Abstract Words Processing. Poster presented in Paris, ICPS (International Convention of Psychological Science), 7-9 March 2019.

185. De Bortoli Vizioli A., Borghi A.M., Tummolini L. (2018). The extended bodily self and the incorporation of personal property. 15th Conference of the Italian Association for Cognitive Sciences

184. Mazzuca, C., Lugli, L., Majid, A., Nicoletti, R., Borghi, A.M. (2018). Grounding abstract concepts: The case of gender. Workshop CAOS (concepts, actions and objects), Rovereto, May 3-5.

183. Villani, C., Lugli, L., Liuzza, M.T., Borghi, A.M. (2017). Different kinds of Abstract concepts. AISC conference, Bologna. December 14-16, 2017.

182. Villani, C., Lugli, L., Borghi, A.M. (2017). Concetti astratti: un dominio omogeneo o eterogeneo Uno studio sulle differenze fine-grained delle sottocategorie dei concetti astratti. AIP Sperimentale, Bari, September 20-22, 2017.

181. Mazzuca, C., Lugli, L., Nicoletti, R., Borghi, A.M. (2017). Influenza dell'attivazione di effettori sul processamento di parole astratte, concrete ed emotive. AIP Sperimentale, Bari, September 20-22, 2017.

180. Mazzuca, C., Barca, L., Borghi, A.M. (2017). Poster: Pacifier overuse and processing of abstract, concrete and emotional concepts. Embodied and Situated Language Processing ESPL, Moscow, September 10-12.

179. Lugli, L. & Borghi, A.M. (2017). Chewing a gum interferes with abstract concepts' processing. Presentation at the ESCOP conference, Potsdam, September 3-6.

178. Villani, C., Lugli, L. & Borghi, A. M. (2017). A taxonomy of Italian abstract concepts. Poster presented at the ESCOP conference, Potsdam, September 3-6.

177. Mazzuca, C., Barca, L., Borghi, A.M. (2017). The influence of pacifier on conceptual acquisition: a multimodal approach. Poster. Language as a form of action, Rome, June 2017.

176. Scerrati, E., Lugli, L., Borghi, A.M., Nicoletti, R. (2016). A study on abstract concepts with the extrinsic Simon task. Abstract concepts international symposium 2016. Structure, processing and modeling. November 18, 2016.

175. Mazzuca, C., Borghi, A.M., (2016). Abstract concepts and the activation of the hand and

mouth effectors. Abstract concepts international symposium 2016. Structure, processing and modeling. November 18, 2016.

174. Barca, L., Mazzuca, C., Notte, M., Borghi, A.M. (2016). Influenza dell'utilizzo del ciuccio sull'elaborazione di concetti astratti, concreti ed emotivi. Congresso di Psicologia Sperimentale, AIP, Roma, September 20-22 2016.174.

173. Scerrati, E., Lugli, L., Borghi, A.M., Nicoletti, R. (2016). CogSci, Recognizing and Representing Events: Integrating Psychological, Philosophical, Linguistic, Computational and Neural Perspectives, poster: Seeing the Bees Buzz and Hearing the Diamonds Glisten: The Effect of the Mode of Presentation of Stimuli on the Modality-Switch Effect. Philadelphia, PA, USA, August 10-13.

172. Scerrati, E., Lugli, L., Borghi, A.M., Nicoletti, R. (2016). Emergent Meaning workshop, Neural, Social, and Computational Perspectives, poster: Does the Mode of Presentation of Stimuli Affect Modality-Switching Costs? A Study with the Lexical Decision Task. Lehigh University, Bethlehem, PA, USA, August 10.

171. Scerrati, E., Lugli, L., Borghi, A.M., Nicoletti, R. (2016). ICT conference, International Conference on Thinking, poster: Is the color of ?Culture? visual or auditory? A study on abstract concepts with the Extrinsic Simon task. Brown University, Providence, RI, USA, August 4-6.

170. Scerrati, E., Lugli, L., Borghi, A.M., Nicoletti, R. (2016). Is the acoustic modality relevant for abstract concepts? An investigation with implicit measures. Rome, Modelact conference, June 6-7.

169. Scerrati, E., Lugli, L., Borghi, A.M., Nicoletti, R. (2016). Is the acoustic modality relevant for abstract concepts? An investigation with implicit measures. Rome, Modelact conference, June 6-7.

168. Borghi, A.M. (2015). Perspective and bodily space in language comprehension. (talk within the symposium Language, action and space, convenors A.M.Borghi, L.Tummolini). 6th International Conference on Spatial Cognition (ICSC): Space and Situated Cognition, Rome, September 7-11.

167. Lugli, L. Baroni, G., Anelli, F., Borghi, A.M., R.Nicoletti (2015). Moving through the space: how arithmetical calculations are involved. (talk within the symposium How do numbers move mentally? The interplay between numerical cognition and multiple dimensions of space, convenors L. Lugli, B. Winter). 6th International Conference on Spatial Cognition (ICSC): Space and Situated Cognition, Rome, September 7-11.

166. Flumini, A., Borghi, A.M., Santiago, J. (2015). The shape of abstract words. ESCOP 2015, Cyprus, September 17-20.

165. Scerrati, E., Baroni, G., Borghi, A.M., Galatolo, R., L.Lugli, R.Nicoletti (2015). Visually and aurally presented prime sentences automatically activate our senses. ESCOP 2015, Cyprus, September 17-20.

164. Scerrati, E., Baroni, G., Borghi, A.M., Galatolo, R., L.Lugli, R.Nicoletti (2015). Il ruolo della modalità del contenuto e del modo di presentazione dello stimolo nella determinazione del modality switch effect. XXI Congresso di Psicologia sperimentale, AIP, Rovereto, September 10-12.

163. Lugli, L., Obertis, A., Borghi, A.M. (2015). Imitative and complementary actions evoked by individual vs. social hands movements. Budapest, 6th Joint Action Meeting, JAM. July 1-4.

162. Scorolli, C., Pesciarelli, Borghi, A.M., Colzato, L., Hommel, B., & Cacciari, C. (2015). Effects of specific religious practice on the electrophysiological responses to errors. International Convention of Psychological Science (ICPS), Amsterdam, 12-14 March 2015, Poster.

161. Anelli, F., Lugli, L., Baroni, G., Borghi, A.M., Nicoletti, R. (2014). Camminare fa bene all'aritmetica: come i movimenti influenzano le addizioni e le sottrazioni. XX Congresso di Psicologia Sperimentale, AIP, Pavia, September 2014.

160. Scorolli, C. Pesciarelli, F., Borghi, A.M., Colzato, L., Hommel, B., Cacciari, C. (2014). Effetti della religione sulla risposta neurofisiologica all'errore. XX congresso di psicologia sperimentale, AIP. Pavia, September 2014.

159. Lugli L., Baroni G., Anelli F., Borghi A.M., Nicoletti R. (2014) Speaking about numbers: Does the motion of the whole body play a role? Embodied and Situated Language Processing ESLP

2014, August 19-21, Rotterdam, NL.

158. Scorolli, C., Borghi, A.M., Tummolini, L. (2013). Questo è mio, quello è tuo: Giudizi impliciti sulla proprietà. AIP. XIX congresso di psicologia sperimentale. Rome, September 16-18.

157. Lugli, L., Baroni, G., Anelli, F., Borghi, A.M., Nicoletti, R. (2013). Interazione tra cognizione numerica e processi motori. AIP. XIX congresso di psicologia sperimentale. Rome, September 16-18.

156. Granito, C., Scorolli, C., Borghi, A.M. (2013). Alice a Legoland: come acquisiamo le parole astratte. AIP. XIX congresso di psicologia sperimentale. Rome, September 16-18.

155. Flumini, A., Barca, L., Borghi, A.M., Pezzulo, G. (2013). Effetti di compatibilità tra postura della mano e affordances: uno studio su parole ed oggetti con MouseTracker. AIP. XIX congresso di psicologia sperimentale. Rome, September 16-18.

154. Lugli, L., Baroni, G., Anelli, F., Borghi, A.M., Nicoletti, R. (2013). Body movements affect counting. 35th annual cognitive science conference. Berlin, Germany, July 31-August 3.

153. Gianelli, C., Lugli, L., Baroni, G., Nicoletti, R., Borghi, A.M. (2013). How social context enhances the link between linguistic stimuli and motor behaviour. ESPL, Embodied and Situated Language Processing, Potsdam, Germany, July 29 - 31, 2013.

126. Scorolli, C., Granito, C., Borghi, A.M. (2013). Learning abstract words: The key brick of language. ESPL, Embodied and Situated Language Processing, Potsdam, Germany, July 29 - 31, 2013.

151. Scorolli, C., Miatton, M., Wheaton, L., Borghi, A.M. (2013). Semantic relations between objects in a social context: A kinematics study on social intention. Berlin, JAM, Joint Action Meeting, Berlin, Germany, July 27 - 29, 2013.

150. Scorolli, C., Borghi, A.M., Tummolini, L. (2012). Il proprietario e' il piu' vicino ed il primo a scoprire l'oggetto. Embodiment e proprieta'. Atti del nono convegno dell'associazione italiana di scienze cognitive (AISC), Roma, December 3-5, 2012, editors Marco Cruciani & Federico Cecconi.

149. Scorolli, C., Miatton, M., Wheaton, L., Borghi, A.M. (2012). Semantic relations between objects in a spatial context: A kinematics study on social intention. Cognition and Language: A research Conference in Memory of Patrizia Tabossi. The Trieste Symposium on Perception and Cognition. Trieste. November 9, 2012.

148. Scorolli, C., Miatton, M., Wheaton, L., Borghi, A.M. (2012). Ti porgo un oggetto, prendo un oggetto: Uno studio cinematografico sull'intenzione sociale. AIP, Congresso Nazionale della Sezione di Psicologia sperimentale. Chieti, 20-22 September 2012.

147. Borghi, A.M. (2012). The physical and social space of affordances. (talk within the symposium Objects and action in the individual and social space: Affordances and embodied cognition). 5th International Conference on Spatial Cognition (ICSC): Space and Embodied Cognition. Rome, 4-9 September 2012.

146. Morlino, G., Gianelli, Borghi, A.M., Nolfi, S. (2012). Category learning through action: A study with human and artificial agents. 5th International Conference on Spatial Cognition (ICSC): Space and Embodied Cognition. Rome, 4-9 September 2012.

145. Gianelli, C., Ranzini, M., Marzocchi, M., Rettore Micheli, L., & Borghi, A.M. (2012). Influence of numerical magnitudes on the free choice of an object position. 5th International Conference on Spatial Cognition (ICSC): Space and Embodied Cognition. Rome, 4-9 September 2012.

144. Scorolli, C., Miatton, M., Wheaton, L. & Borghi, A.M. (2012). Poster. When a glass calls: Anatomy of a toast. 5th International Conference on Spatial Cognition (ICSC): Space and Embodied Cognition. Rome, 4-9 September 2012.

143. Roversi, C., Borghi, A.M., Tummolini, L. (2012). Poster: Social objects in mind: an experimental study on social concepts. Objects in mind. First Aarhus-Paris Conference in Social Ontology and Cognition. University of Aarhus, Denmark, June 25-26 2012.

142. Paglieri, F., Borghi, A.M., Colzato, L., Hommel, B. & Scorolli, C. (2012). Religious

- differences in temporal discounting: Calvinists, Catholics and atheists. Rome, ISTC-CNR, May 29 2012, Intertemporal day.
141. Anelli, F., Baroni, G., Borghi, A.M., Lugli, L., Nicoletti, R. (2012). Counting is easier while experiencing a congruent movement. Rovereto Workshop on Concepts, Action, Objects CAOS, May 24-27, 2012.
140. Scorolli, C., Borghi, A.M., Tummolini, L. (2012). The owner is closer and is the first to discover objects. Exploring the embodied nature of object ownership. Rovereto Workshop on Concepts, Action, Objects CAOS, May 24-27, 2012.
139. Ranzini, M., Anelli, F., Borghi, A.M., Carbone, R., Lugli, L., Nicoletti, R. (2011). Object graspability affects number processing. 17th Meeting of the European Society for Cognitive Psychology, ESCOP 2011, San Sebastian, September 29-October 2, 2011.
138. Scorolli, C., Daprati, E., Nico, D., Borghi, A.M. (2011). Catching objects through words. 17th Meeting of the European Society for Cognitive Psychology, ESCOP 2011, San Sebastian, September 29-October 2, 2011.
137. Ottoboni, Borghi, A.M., Tessari, A. (2011). The role of oculo-motor coordination in affordance. 17th meeting of the European Society for Cognitive Psychology, ESCOP 2011, San Sebastian, September 29-October 2, 2011.
136. Scorolli, C., Daprati, E., Nico, D., & Borghi, A.M. (2011). Catching objects through words. 17th meeting of the European Society for Cognitive Psychology, ESCOP 2011, San Sebastian, September 29-October 2, 2011.
135. Ranzini, M., Anelli, F., Borghi, A.M., Carbone, R., Lugli, L., Nicoletti, R. (2011). Object graspability affects number processing. 17th meeting of the European Society for Cognitive Psychology, ESCOP 2011, San Sebastian, September 29-October 2, 2011.
134. Scorolli, C., Daprati, E., Nico, D., Borghi, A.M. (2011). Comprensione del linguaggio e rappresentazione dello spazio:
le parole come strumenti. XVII Congresso Nazionale della Sezione di Psicologia Sperimentale, Catania, September 14-16, 2011.
133. Flumini, A., Ranzini, M., Borghi, A.M. (2011). Nomine sunt consequentia rerum:
corrispondenze suono-forma
nella denominazione di oggetti conosciuti. XVII Congresso Nazionale della Sezione di Psicologia Sperimentale, Catania, September 14-16, 2011.
132. Anelli, F., Borghi, A.M., Nicoletti, R. (2011). Dinamiche del pericolo e affordances. XVII Congresso Nazionale
della Sezione di Psicologia Sperimentale, Catania, September 14-16, 2011.
131. Obertis, A.C., Lugli, L., Borghi, A.M. (2011). Dare è femmina, colpire è maschio. XVII Congresso Nazionale
della Sezione di Psicologia Sperimentale, Catania, September 14-16, 2011.
130. Ranzini, M., Anelli, F., Borghi, A.M., Nicoletti, R. (2011). Fuggire dal dolore? Uno studio sulla percezione di oggetti
pericolosi. XVII Congresso Nazionale della Sezione di Psicologia Sperimentale, Catania, September 14-16, 2011.
129. Scorolli, C., Jacquet, P.O., Binkofski, F., Nicoletti, R., Tessari, A. & Borghi, A.M. (2011). Does catching an object differ from catching a flower? Embodied and Situated Language Processing 2011 (ESLP 2011), Bielefeld University, August 25-27 2011.
128. Borghi, A.M., Flumini, A., Cimatti, F., Marocco, D. & Scorolli, C. (2011). Language's role in concepts: A study on concrete and abstract words acquisition. 5th annual Rovereto workshop on Concepts, Actions and Objects (CAOs). May 19th-22nd, Rovereto.
127. Natraj N., Poole V.N., Mizelle J.C., Flumini A., Borghi A.M. & Wheaton L. (2011). Context and Hand posture Modulate the Neural Dynamics of Tool-Object Perception. Cognitive Neuroscience Society Annual Meeting, San Francisco, CA, April 2-5 2011.
126. Caligiore, D., Borghi, A.M., Parisi, D., Ellis, R., Cangelosi, A. & Baldassarre, G. (2011).

- COSYNE 2011. Affordances of distractors and compatibility effects: a study with the computational model TROPICALS.
125. Scorolli, C., Da Prati, E., Nico, D., Borghi, A.M. (2011). Language comprehension and space representation: words as tools. BCCD11 Budapest Conference on Cognitive Development, January 14-16, 2011.
124. Costantini, M., Ambrosini, E., Scorolli, C., Borghi, A.M. (2010). When objects are close to you: Objects manipulation and use in the peripersonal space. Poster presented at the Symposium The embodied mind: Perspectives and Limitations, Radboud University, Nijmegen, October 27-28, 2010.
123. Ranzini, M., Borghi, A.M., & Nicoletti, R. (2010). Effects of motor simulation and motor resonance in a line bisection task. Poster presented at the Symposium The embodied mind: Perspectives and Limitations, Radboud University, Nijmegen, October 27-28, 2010.
122. Flumini, A., Natraj, N., Wheaton, L., Borghi, A.M. (2010). Una mano, due oggetti: Emergere delle affordances nei contesti. Associazione Italiana di Psicologia (AIP), XVII Congresso sez. Psicologia Sperimentale, Bologna, September 2-3, 2010.
121. Anelli, M., Borghi, A.M., Nicoletti, R. (2010). Grasping the pain. La simulazione motoria con affordance pericolose. Associazione Italiana di Psicologia (AIP), XVII Congresso sez. Psicologia Sperimentale, Bologna, September 2-3, 2010.
120. Marino, B., Borghi, A.M., Buccino, G., Riggio, L. (2010). Lo scopo dell'interazione di un organismo con un oggetto seleziona le affordances. Associazione Italiana di Psicologia (AIP), XVII Congresso sez. Psicologia Sperimentale, Bologna, September 2-3, 2010.
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