Curriculum Vitae Updated February, 2015



Personal information

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Nationality Italian

Place and date of birth | San Paolo (Brazil), March 12, 1976

Current and past positions

2013- Senior Researcher, Robotics, Brain and Cognitive Sciences, Italian

Institute of Technology, Genova

2011- | Associate Professor, Department of Psychology, University of Turin

2006-2011 Researcher, Department of Psychology, University of Turin

2004-2006 | Post-Doctoral Research Scientist, Department of Psychology, University

of Turin

Education

2000-2003 Ph.D. in Cognitive Science, University of Turin. Final dissertation:

Syllogistic reasoning in production and evaluation tasks. Tutor: Prof.

Monica Bucciarelli. Date: June 26, 2003

1996-2000 B.A. (summa cum laude) in Philosophy, University of Turin. Thesis:

Deductive reasoning and space. An experimental hypothesis and some philosophical considerations (in Italian). Supervisor: Prof. Maurizio

Ferraris. Date: November 19, 2000

Awards

2014 Research Award for Best Platform by the Consortium of Multiple Sclerosis

Centers (CMSC) (role: senior author)

2014 Award for Best Paper published in the Journal of Neuroscience,

Psychology and Economics (role: first author)

2013	Nominated to AcademiaNet, Robert Bosch Stiftung and Spektrum der
2010	Wissenschaft
2002	Premio Optime for the best Master Degree Thesis in Philosophy awarded by Unione Industriale, Turin
Visiting	
2012	Stanford Psychophysiology Laboratory, Stanford University (USA)
2007-2008	Center of Functionally Integrative Neuroscience (CFIN), University of
	Aarhus (Denmark). Interacting Minds: a biological basis project
Main research interests	
	Influence of social context on motor planning and control
	Role of the motor system in social cognition (action prediction, intention understanding, automatic alignment during social interaction)
	Role of gaze in intention understanding and gaze-action coupling mechanisms in neurotypical individuals and individuals affected by autism
	Influence of action observation on space representation (social space, influence of action observation on the altercentric remapping of space)
Funding ID	
Individual grants	
2013-2018	Principal Investigator in the ERC Starting grant project: Intention-from-movement understanding: from moving bodies to interacting minds. Agency: European Research Council. € 999.921
2010-2012	Principal Investigator in the project: The Invisible Grammar of Social Relations. Agency: Regione Piemonte. €236.000
2004-2006	Post-doctoral grant. Agency: Fondazione Cassa di Risparmio di Torino. € 24.466
2000-2003	Ph.D. studentship grant. Agency: University of Turin. €31.683
Grants as member of research groups	
2009-2011	Use of fMRI in the evaluation of work-related stress disease (in Italian; PI: Enrico Pira, University of Turin). Agency: INAIL (Italian Workers Compensation Authority). € 221.900
2007-2009	Communicative interaction. At the roots of autism (in Italian; PI: Bruno G. Bara, University of Turin). Agency: Fondazione Cassa di Risparmio di Torino. €100.000

2005-2007

Language comprehension: psycholinguistic and neuropsychological studies (in Italian; PI: Stefano Cappa, University Vita Salute S. Raffaele). Agency: PRIN-MIUR (Italian Ministry for University and Research, National Research Program). €145.000

2003-2005

Functional and neural organization of referential and figurative language: studies on normal, monolinguistic and multilinguistic, and pathological subjects (in Italian; PI: Stefano Cappa, University Vita Salute S. Raffaele). Agency: PRIN-MIUR (Italian Ministry for University and Research, National Research Program). € 280.000

2002-2005

Assessment of communicative disorders in a rehabilitation perspective (in Italian; PI: Bruno G. Bara, University of Turin). Agency: FIRB-MIUR (Italian Ministry for University and Research, Basic Research Funds). €205.000

Supervision Activities and Teaching

2013- Scientific Board of the Scuola di Studi Superiori of the University of Turin (SSST)

2013- Coordinator of the PhD training program, Program in Neuroscience, University of Turin

2007- Faculty Member in the PhD Program in Neuroscience, University of Turin. Supervisor of 3 Ph.D. students

2007- Supervisor of more than 30 undergraduate students

Teaching: Psychology of Action, Department of Psychology, University of Turin

2006-2012 Teach

2013-

Teaching: Psychology, Faculty of Psychology, University of Turin.

Organization of International Meetings

2003-2007

Mind & Brain Prize

2006

What is language, J. Searle, Turin, May 25

2005

XXVII Conference of the Cognitive Science Society, July 21-23, Stresa, Italy

Editorial activity

Academic Editor for Cognition, PeerJ, Plos One, and Social Neuroscience Review Editor for Frontiers in Emotion Science

Guest reviewer for: Behavioural and Brain Sciences, Brain and Language, Cognition, Cognitive Science, Consciousness & Cognition, Cortex, Experimental Brain Research, Frontiers in Human Neuroscience, Human Brain Mapping, Journal of Cognition and Development, Journal of Cognitive Science, Journal of Experimental Psychology: General, NeuroImage, NeuroImage: Clinica, PLoS One, Proceedings of the Royal Society B-Biological Sciences, Psychological Science, Psychonomic Bullettin & Review, Neuropsychologia, NeuroImage, Social Neuroscience, Social Cognitive and Affective Neuroscience

Journal articles

- in press Ansuini C., Cavallo A., Koul A., Jacono M., Yang Y., Becchio C. (in press). Predicting object size from hand kinematics: a temporal perspective. PLoS One.
- in press Cavallo A., Ansuini C., Becchio C. (in press). The (un)coupling between action execution and observation: Comment on "Grasping synergies: A motor-control approach to the mirror neuron mechanism" by D'Ausilio, Bartoli and Maffongelli. Physics of Life Reviews.

First published online Jan 14, 2015, pii: S1571-0645(15)00007-X, doi: 10.1016/j.plrev.2015.01.006.

in press Ansuini C., Cavallo A., Bertone C., Becchio C. (in press). Intentions in the brain: The unveiling of Mister Hyde. The Neuroscientist.

First published online May 2, 2014, doi:10.1177/1073858414533827

in press Capozzi F., Bayliss A.P., Elena M.R., Becchio C. (in press). One is not enough: Group size modulates social gaze-induced object desirability effects. Psychonomic Bulletin & Review.

First published online August 23, 2014, doi:10.3758/s13423-014-0717-z

- Okruszek Ł., Haman M., Kalinowski K., Talarowska M., Becchio C., Manera V. (2015). Impaired recognition of communicative interactions from biological motion in schizophrenia. PLoS One 10, e0116793.
- 2014 Capozzi F., Cavallo A., Furlanetto T., Becchio C. (2014). Altercentric intrusions from multiple perspectives: Beyond dyads. PLoS One 9, e114210.
- Becchio C., Zanatto D., Straulino E., Cavallo A., Sartori G., Castiello C. (2014). The kinematic signature of voluntary actions. Neuropsychologia, 64, 169–175.
- Cavallo A., Catmur C., Sowden S., Ianì F., Becchio C. (2014). Stopping movements: when others slow us down. European Journal of Neuroscience, 40, 2842-2849.
- Cavallo A., Heyes C., Becchio C., Bird G., Catmur C. (2014). Timecourse of mirror and counter-mirror effects measured with transcranial magnetic stimulation. Social Cognitive and Affective Neuroscience, 9, 1082-1088.
- Ciaramidaro A., Becchio C., Colle L., Bara B.G., Walter H. (2014). Do you mean me? Communicative intentions recruit the mirror and the mentalizing system. Social Cognitive and Affective Neuroscience, 9, 909-916.
- Ansuini C., Cavallo A., Bertone C., Becchio C. (2014). The visible face of intention: why kinematics matters. Frontiers in Psychology, 5, 815.
- 2014 Manera V., Elena M.R., Bayliss A.P., Becchio C. (2014). When seeing is more than looking: Intentional gaze modulates object desirability. Emotion, 14, 824-832.

- Furlanetto T., Gallace A., Ansuini C., Becchio C. (2014). Effects of arm crossing on spatial perspective taking. PLoS One 9, e95748.
- 2013 Cavallo A., Bucchioni G., Castiello U., Becchio C. (2013). Goal or movement? Action representation within the primary motor cortex. European Journal of Neuroscience, 38, 3507-3512.
- Furlanetto T., Cavallo A., Manera V., Tversky B., Becchio C. (2013). Through your eyes: Incongruence of gaze and action increases spontaneous perspective. Frontiers in Human Neuroscience, 7, 455.
- Furlanetto T., Bertone C., Becchio C. (2013). The bilocated mind: New perspectives on self-localization and self-identification. Frontiers in Human Neuroscience, 7, 71.
- Becchio C., Del Giudice M., Dal Monte O., Latini-Corazzini L., Pia L. (2013). In your place: Neuropsychological evidence for altercentric remapping in embodied perspective taking. Social Cognitive and Affective Neuroscience, 8, 165-170.
- 2013 Manera V., Schouten B., Verfaillie K., Becchio C. (2013). Time will show: Real time predictions during interpersonal action perception. PLoS One, 8, e54949.
- Becchio C., Castiello U. (2012). Visuomotor resonance in autism spectrum disorders. Frontiers in Integrative Neuroscience, 6, 110.
- Manera V., Cavallo A., Chiavarino C., Schouten B., Verfaillie K., Becchio C. (2012). Are you approaching me? Motor execution influences perceived action orientation. PLoS One, 7, e37514.
- Becchio C., Manera V., Sartori L., Cavallo A., Castiello U. (2012). Grasping intentions: from thought experiments to empirical evidence. Frontiers in Human Neuroscience, 6, 117.
- Becchio C., Cavallo A., Begliomini C., Sartori L., Feltrin G., Castiello U. (2012). Social grasping: from mirroring to metalizing. NeuroImage, 61, 240-248.
- Cavallo A., Becchio C., Sartori L., Castiello U. (2012). Grasping with tools: Corticospinal excitability reflects observed hand movements. Cerebral Cortex, 22, 710-716.
- 2011 Manera V., Del Giudice M., Bara B.G., Verfaillie K. Becchio C. (2011). The second-agent effect: Communicative gestures increase the likelihood of perceiving a second agent. PLoS One, 6, e22650.
- 2011 Manera V., Becchio C., Cavallo A., Sartori L., Castiello U. (2011). Cooperation or competition? Discriminating between social intentions by observing prehensile movements. Experimental Brain Research, 211, 547-556.
- 2011 Sartori L., Becchio C., Castiello U. (2011). Cues to intention: the role of movement information. Cognition, 119, 242-252.

- 2011 Manera V., Becchio C., Shouten B., Bara B.G., Verfaillie K. (2011). Communicative interactions improve visual detection of biological motion. PLoS One, 6, e14594.
- 2011 Becchio C., Skewes J., Lund T. E., Frith U., Frith C. D., Roepstorff A. (2011). How the brain responds to the destruction of money. Journal of Neuroscience, Psychology and Economics, 4, 1-10.
- 2010 Castiello U., Becchio C., Zoia S., Nelini C., Sartori L., Blason L., D'Ottavio G., Bulgheroni M., Gallese V. (2010). Wired to Be Social: The Ontogeny of Human Interaction. PLoS One, 5, e13199.
- Becchio C., Mari M., Castiello U. (2010). Perception of shadows in children with autism spectrum disorders. PLoS One, 5, e10582.
- 2010 Becchio C., Sartori L., Castiello U. (2010). Towards you: the social side of actions. Current Directions in Psychological Science, 19, 183-188.
- Manera V., Shouten B., Becchio C., Bara B.G., Verfaillie K. (2010). Inferring intentions from biological motion: A stimulus set of point-light communicative interactions. Behavior Research Methods, 42, 168-178.
- 2009 Sartori L., Becchio C., Bulgheroni M., Castiello U. (2009). Modulation of the action control system by social intention: unexpected social requests override preplanned action. Journal of Experimental Psychology: Human Perception and Performance, 35, 1490-1500.
- 2009 Sartori L., Becchio C., Bara B. G., Castiello U. (2009). Does the intention to communicate affect action kinematics? Consciousness and cognition, 18, 766-772.
- Colle L., Becchio C., Bara B.G. (2008). The non-problem of other minds: a neuro-developmental perspective on shared intentionality. Human Development, 51, 336-348.
- Becchio C., Sartori L., Bulgheroni M., Castiello U. (2008). The case of Dr. Jekyll and Mr. Hyde: A kinematic study on social intention. Consciousness and cognition, 17, 557-564.
- Becchio C., Bertone C., Castiello U. (2008). How the gaze of others influences object processing. Trends in Cognitive Sciences, 12, 254-258.
- Pierno A.C., Becchio C., Tubaldi F., Turella L., Castiello U. (2008). Motor ontology in representing gaze-object relations. Neuroscience Letters, 430, 246-51.
- Pierno A.C., Becchio C., Turella L., Tubaldi F., Castiello U. (2008). Observing social interactions: The effect of gaze. Social Neuroscience, 3, 51-59.
- 2008 Becchio C., Sartori L., Bulgheroni M., Castiello U. (2008). Both your intention and mine are reflected in the kinematics of my reach-to-grasp movement. Cognition, 106, 894-912.

- Becchio C., Pierno A., Mari M., Lusher D., Castello U. (2007). Motor contagion from gaze: the case of autism. Brain, 130, 2401-2411.
- 2007 Georgiou I., Becchio C., Glover S., Castiello U. (2007). Different action patterns for cooperative and competitive behaviour. Cognition, 102, 415-433.
- 2006 Becchio C., Bertone C. (2006). Prior intentions: evidence in favour of a motor theory. Journal of Cognitive Science, 7, 103-113.
- Becchio C., Bertone C. (2006). Time and neglect: Abnormal temporal dynamics in unilateral spatial neglect. Neuropsychologia, 44, 2775-2782.
- Pierno A.C., Becchio C., Wall M.B., Smith A.T., Castiello U. (2006). Transfer of interfered motor patterns to self from others. European Journal of Neuroscience, 23, 1949-1955.
- Pierno A.C., Becchio C., Wall M.B., Smith A.T., Turella L., Castiello U. (2006). When Gaze Turns into Grasp. Journal of Cognitive Neuroscience, 18, 2130-2137.
- Becchio C., Adenzato M., Bara B.G. (2006). How the brain understands intentions: Different neural circuits identify the componential features of motor and prior intentions. Consciousness and Cognition, 15, 64-74.
- Becchio C., Bertone C. (2005). Beyond Cartesian Subjectivism: Neural Correlates of Shared Intentionality. Journal of Consciousness studies, 12, 20-30.
- Becchio C., Bertone C. (2005). The ontology of neglect. Consciousness and Cognition, 14, 483-494.
- Becchio C., Bertone C. (2004). Wittgenstein running: Neural mechanisms of collective intentionality and we-mode. Consciousness and Cognition, 13, 123-133.
- Becchio C., Bertone C. (2003). Object temporal connotation. Brain and Cognition, 52, 192-196.

Book Chapters

in press Ansuini C., Cavallo A., Bertone C., Becchio C. (in press). Reading intention in action. To appear in: S.S. Obhi & E.S. Cross (eds.), Shared representation: sensorimotor foundation of social life. Cambridge University Press, Cambridge, UK.

- Becchio C., Bertone C. (2014). How Objects Become Social in the Brain: Five Questions for a Neuroscience of Social Reality. In: M. Gallotti & J. Michaels (eds.), Perspectives on Social Ontology and Social Cognition, Studies in the Philosophy of Sociality, Springer Netherlands, Volume 4, pp. 125-134.
- Becchio C., Bertone C. (2009). Intention. In: L. Cummings (ed.), The Pragmatics Encyclopedia, Routledge, pp. 226-227.

Becchio C., Bertone C. (2008). Neuroscienze. In M. Ferraris (ed.), Storia dell'Ontologia, Milano, Bompiani, pp. 452-464.

International Proceedings

- Sartori L., Becchio C., Bulgheroni M., Castiello U. (2008). Effects of social intention on the control of action. International Journal of Psychology, 43, 473
- Pierno A.C., Becchio C., Wall M.B., Smith A.T., Turella L., Castiello U. (2006). When Gaze Turns into Grasp. Journal of Psychophysiology, 20, 330.
- Adenzato M., Becchio C., Bertone C., Tuomela R. (2005). Neural Correlates Underlying Action-intention and Aim-intention. In B.G. Bara, L. Barsalou, & M. Bucciarelli (Eds.), Proceedings of the Conference of the Cognitive Science Society 2005. Mahwah, New Jersey: Lawrence Erlbaum Associates, 62-66.
- Becchio C., Bertone C. (2003). Neural bases of We-ness. In F. Schmalhofer, R. Young, & G. Katz (Eds.), Proceedings of the European Conference of the Cognitive Science Society 2003. Mahwah, New Jersey: Lawrence Erlbaum Associates, 49-53.

Journal articles in Italian

- Furlanetto T., Bertone C., Becchio C. (2012). Fenomeni autoscopici: una prospettiva sociale. Giornale italiano di Psicologia, 4, 819-835.
- 2009 Becchio C., Bertone C., Castiello U. (2009). Lo sguardo di Medusa. Come lo sguardo dell'altro modifica il processamento dell'oggetto. Giornale italiano di Psicologia, 2, 247-254.
- 2006 Becchio C., Bertone C. (2006). Un'ontologia dimezzata: alterazioni temporali nella negligenza spaziale unilaterale. Sistemi intelligenti, 2, 199-214.
- 2005 Becchio C., Bertone C. (2005). Il paradosso dell'intenzionalità collettiva. Giornale italiano di Psicologia, 4, 851-860.
- Becchio C., Bertone C. (2003). L'intenzionalità collettiva: lo stato dell'arte. Giornale italiano di Psicologia, 3, 441-449.
- Becchio C., Bertone C. (2002). Il problema della condivisione. Sistemi intelligenti, 2, 207-216.

Invited presentations at international meetinas 2014 Becchio C. (2014). On grasping intentions from movement observation. IEEE ICDL-Èpirob 2014, Genova, October 13-16. 2014 Becchio C. (2014). Social intentions in action. Perspectives and Future Directions in Social Neuroscience, Satellite Symposium to the Annual Meeting of the OHBM, Marburg, June 4-6. 2013 Becchio C. (2013). Action in perspective: from movement observation to intention understanding. Enactive and Phenomenological Approaches to Intersubjectivity. Copenhagen, Denmark, February 7-8. 2012 Becchio C. (2012). Objects in others' minds: How the gaze of others influences object processing. Objects in Mind. First Aarhus-Paris Conference in Social Ontology and Cognition. University of Aarhus, Denmark, June 25-26. 2012 Becchio C. (2012). Social grasping. Intention-from-movement understanding. Social Interaction. Engagement and the Second-Person Perspective Conference. Universität zu Köln, Germany, May 25-27. Becchio C. (2012). Grasping the intentions of others: from thought 2012 experiments to empirical evidence. Interdisciplinary Workshop: Personal and Shared Intentions. Max Planck Institute for Human Development, Berlin, Germany, May 3-5. Other invited presentations 2014 Becchio C. (2014). Intention in action. Philosophy Lectures: Epistemology, Philosophy of Science, Social Ontology. Department of Philosophy, University of Vienna, January 23. 2013 Becchio C. (2013). Intention in action: from moving bodies to interacting minds. Collective intentionalityWorkshop, ZiF - Bielefeld University's Institute for Advanced Study, Bielefeld, Germany, April 2-4. 2013 Becchio C. (2013). On understanding intention in action (and interaction). Departmental colloquium. Department of Cognitive Science, CEU, Budapest, Hungary, March, 6. 2011 Becchio C. (2011). Grasping intentions from movement: from thought experiments to empirical evidence. PhiloNeuro, Department of Philosophy, University of Milan, Italy, January 25. 2010 Becchio C. (2010), Grasping other intentions: from kinematics to intention (in Italian), Giornata di studio Dall'Azione all'Intenzione, Department of General Psychology, University of Padua, Italy, November 19.

- Becchio C. (2009). The power of gaze: linking the gaze of others to object processing. Social Cognition and Neuroscience (SCoNe) seminar at the School of Psychology, University of Birmingham, UK, May 20.
- 2007 Becchio C. (2007). Social action: motor and neural correlates. Seminar on Social Cognition. Center for Semiotics, University of Aarhus, Denmark, November 22.
- Becchio C. (2007). Social actions: kinematic and neuromaing evidence (in Italian). Giornata di studio Cognizione sociale e Neuroscienze, Department of General Psychology, University of Padua, Italy, February 5.