

Valentina PARMA

PERSONAL DATA

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CURRENT POSITION

Jan 2019- Dec 2023 | H2020 Postdoctoral Fellow at WILLIAM JAMES CENTER FOR RESEARCH, ISPA - INSTITUTO UNIVERSITÁRIO, (LISBOA, PORTUGAL)
Semin Lab
"POTION: Promoting social interaction through emotional body odours"

SCIENTIFIC HABILITATION

27 Nov 2017 | Abilitazione Scientifica Nazionale
Area 11/E1: General Psychology, Psychobiology and Psychometry
Fascia II

EDUCATION

NOV 2018- DEC 2019 | Postdoctoral Fellow at WILLIAM JAMES CENTER FOR RESEARCH, ISPA - INSTITUTO UNIVERSITÁRIO, LISBOA, PORTUGAL (LISBOA, PORTUGAL)
Semin Lab
"Social chemosignal communication"

NOV 2015- OCT 2018 | Independent (Senior) Postdoctoral Fellow at INTERNATIONAL SCHOOL OF ADVANCED STUDIES (SISSA, TRIESTE, ITALY)
Neuroscience Area
Awarded project: "Body odors: subliminal social processing tools"

JAN 2014-OCT 2015 | Research Associate at MONELL CHEMICAL SENSES CENTER, Philadelphia (PA), United States of America
Cognitive Neuroscience Laboratory
Investigation of psychophysiological and neurophysiological correlates of olfaction in humans, from children to adults. Advisor: Dr. Johan Lundström

APR 2012-DEC 2013 | Postdoctoral Fellow at MONELL CHEMICAL SENSES CENTER, Philadelphia (PA), United States of America
Cognitive Neuroscience Laboratory
Investigation of perceptual, behavioral correlates of olfaction in humans, from children to adults. Advisor: Dr. Johan Lundström

JAN 2012-DEC 2013 | Postdoctoral Fellow at DEPARTMENT OF GENERAL PSYCHOLOGY, UNIVERSITY OF PADOVA, Padova, Italy
Neuroscience of Movement Laboratory
Olfactomotor correlates of behavior in typical and special populations (i.e., autism spectrum disorder). Advisor: Dr. Umberto Castiello

JAN 2009-DEC 2011	PhD in Experimental Psychology at DEPARTMENT OF GENERAL PSYCHOLOGY, UNIVERSITY OF PADOVA, Padova, Italy <i>Neuroscience of Movement Laboratory</i> <i>cum laude</i> Thesis: "Insights into the olfactory abilities of neurological populations: from perception to action" Advisor: Prof. Umberto CASTIELLO
OCT 2006-APR 2008	Master of Science in Experimental Psychology and Cognitive-Behavioral Neuroscience at DEPARTMENT OF GENERAL PSYCHOLOGY, UNIVERSITY OF PADOVA, Padova, Italy <i>Neuroscience of Movement Laboratory</i> 110/110 <i>summa cum laude</i> Thesis: "Evaluation of olfactory functions in patients with multiple sclerosis" Advisor: Prof. Umberto CASTIELLO
OCT 2003-JUL 2006	Bachelor in Psychobiology and Cognitive Psychology at DEPARTMENT OF GENERAL PSYCHOLOGY, UNIVERSITY OF PADOVA, Padova, Italy <i>Neuroscience of Movement Laboratory</i> 110/110 <i>summa cum laude</i> Thesis: "When odor turns into grasp" Advisor: Prof. Umberto CASTIELLO

PEER-REVIEWED PUBLICATIONS

Preprint

2. **Parma, V.**, Cellini, N., Guy, L., McVey, A., Rump, K., Worley, J., Bush, J., Miller, J.S., Herrington, J.D. Resting autonomic activity in children with autism spectrum disorders and matched controls with and without comorbid anxiety. Pre-print at: <https://psyarxiv.com/jkcyr/> *Journal of Child Psychology and Psychiatry, Under Review.*
1. Federici, A.*, **Parma, V.***, Vicovaro, M., Radassao, L., Casartelli, L., Ronconi, L. Anomalous Perception Of Biological Motion In Autism: A Conceptual Review And Meta-Analysis. Pre-print at: <https://www.biorxiv.org/content/10.1101/530030v1> *Neuroscience & Biobehavioral Reviews, Under Review.*

Published manuscripts

39. Mutic, S.*, Freiherr, J.*, Cavazzana, A. Rocha, M., Soares, S.C., Lundström, J.N., **Parma, V.** (2019) The scent of the other woman: Role of female body odor during intrasexual competition. *Physiology and Behavior.*
38. **Parma, V.**, Redolfi, N., Alho, L., Rocha, M., Ferreira, J., Silva, C.F., Soares, S.C. (2019) Ethnic influences on the perceptual properties of human chemosignals. *Physiology and Behavior.*
37. Cecchetto, C., Lancini, E.M., Buetti, D., Rumiati, R.I., **Parma, V.** (2019) Body odors (even when masked) make you more emotional: behavioral and neural insights. Pre-print at: <https://psyarxiv.com/h6f23/> *Scientific Reports.*
36. Garlasco, P., Osimo, S.A., Rumiati, R.I., Parma, V. A hierarchical-drift diffusion model of the roles of hunger, caloric density and valence in food selection. *Appetite.*
35. Nuske, H., Finkel, E., Hedley, D., **Parma, V.**, Tomczuk, L., Pellecchia, M., Herrington, J., Marcus, S., Mandell, D., Dissanayake, C. (2019) Heart Rate Increase Predicts Challenging Behavior Episodes in Preschoolers with Autism. *Stress.*

34. Guerra, S., Spoto, A., Castiello, U., **Parma, V.** (2019) Sex Differences in Body Ownership in Adults with Autism Spectrum Disorder. *Frontiers in Psychology - Cognition*.
33. Cecchetto, C., Lancini, E.M., Rumiati, R.I., **Parma, V.** (2019) Women smelling men's masked body odors show enhanced harm aversion in moral dilemmas. *Physiology & Behavior*.
32. Aiello, M.*, **Parma, V.***, De Carlo, S., Hummel, T., Rumiati, R.I.(2018) Cognitive, sensory and affective determinants of body weight in free-living elderly population. *Archives of Clinical Neuropsychology*.
31. Rocha, M.*, **Parma, V.***, Lundström, J.N., Soares, S.C.(2018) Dynamic facial expressions in the context of anxiety body odors: Emotional categorization and psychophysiological biases. *Perception*.
30. Singh, P. B., Young, A., Lind, S., Leegard, M. C., Capuozzo, A., **Parma, V.** (2018) Smelling anxiety chemosignals impairs clinical performance of dental students. *Chemical Senses*.
29. Ferreira, J.*, **Parma, V.***, Alho, L., Silva, C.F., Soares, S.C. (2018) Emotional body odors as context: Effects on cardiac and subjective responses. *Chemical Senses*.
28. Schriever, V.A., Agosin, E., Altundag, A., Avni, H., Cao Van, H., Cornejo, C., de los Santos, G., Fischman, G., Fragola, C., Guarneros, M., Gupta, N., Hudson, R., Kamel, R., Knaapila, A., Konstantinidis, I., Landis, B., Larsson, M., Lundström, J., Macchi, A., Marino-Sanchez, F., Mori, E., Mullol, J., Nord, M., Novakova, L., **Parma, V.**, Philpott, C., Propst, E.J., Sandel, M., Sorokowska, A., Sorokowski, P., Sparing, L., Stetzler, C., Valder, C., Vodicka, J., Hummel, T. (2018) Development of an international odor identification test for children – the “U-Sniff” test. *Pediatrics*.
27. **Parma, V.**, Sartori, L., Castiello, U. (2018) Measuring how typical and atypical minds read other's intentions Comment on “Seeing mental states: An experimental strategy for measuring the observability of other minds” by Cristina Becchio et al. *Physics of Life Reviews*.
26. **Parma, V.**, Rocha, M., Ferreira, J., Alho, L., Macedo, S., Soares, S. (2018) The effects of emotional visual context on the encoding and retrieval of body odor information. *Perception*.
25. **Parma, V.**, Brasselet, R., Zoia, S., Bulgheroni, M., Castiello, U. (2017) The origin of human handedness and its role in pre-birth motor control. *Scientific Reports*.
24. Guerra, S., Spoto, A., **Parma, V.**, Straulino, E., Castiello, U. In sync or not in sync? (2017) Illusory body ownership in autism spectrum disorder. *Research in autism spectrum disorders*.
23. Cecchetto, C., Rumiati, R.I., **Parma, V.** (2017). Promoting cross-culture research on moral decision-making through the use of standardized, culturally-equivalent dilemmas: the validation of the 4CONFDe set. *Journal of Health and Social Sciences*.
22. Casartelli, L., **Parma, V.** (2017) The functional and developmental role of imitation in the (a)typical brain. *Behavioral and Brain Sciences (invited commentary)*.
21. Cecchetto, C., Rumiati, R.I., **Parma, V.** (2017). Relative contribution of odour intensity and valence to moral decisions. Invited Special Issue. *Perception*, 0301006616689279..
20. Foroni, F., Vignando, M., Aiello, M., **Parma, V.**, Paoletti, M. G., Squartini, A., Rumiati, R. I. (2017). The smell of terroir! Olfactory discrimination between wines of different grape variety and different terroir. *Food Quality and Preference*, 58, 18-23.
19. Cavazzana, A., Wesarg, C., Hummel, T., Lundström, J.N., **Parma, V.** (2016) A Cross-Cultural Adaptation of the Sniffin' Sticks Olfactory Identification Test for US children. *Chemical Senses*, bjw113..

18. Coppin, G., **Parma, V.**, Pause, B. M. (2016). Editorial: Affective Sciences through the Chemical Senses. *Frontiers in Psychology*, 7.
17. Cavazzana, A., Wesarg, C., Parish Morris, J., Lundström, J. N., **Parma, V.** (2016). When preschoolers follow their eyes and older children follow their noses: visuo olfactory social affective matching in childhood. *Developmental Science*.
16. **Parma, V.**, de Marchena, A. B. (2016). Motor signatures in autism spectrum disorder: the importance of variability. *Journal of Neurophysiology*, 115(3), 1081-1084.
15. Mutic, S., **Parma, V.**, Brünner, Y. F., Freiherr, J. (2015). You smell dangerous: Communicating fight responses through human chemosignals of aggression. *Chemical senses*, bfv058.
14. **Parma, V.**, Ferraro, S., Miller, S. S., Åhs, F., Lundström, J. N. (2015). Enhancement of odor sensitivity following repeated odor and visual fear conditioning. *Chemical senses*, 40(7), 497-506.
13. Cellini, N., **Parma, V.** (2015). Breaking sleep learning through olfactory Trojan horses. *Frontiers in Psychology*, 6:364. doi: 10.3389/fpsyg.2015.00364.
12. **Parma, V.**, Bulgheroni, M., Tirindelli, R., Castiello, U. (2014). Facilitation of action planning in children with autism: the contribution of the maternal body odor. *Brain and Cognition*, 88: 73-82, <http://dx.doi.org/10.1016/j.bandc.2014.05.002>.
11. **Parma, V.**, Zanatto, D., Straulino, E., Scaravilli, T., Castiello, U. (2014). Kinematics of the reach-to-grasp movement in vascular parkinsonism: A comparison with idiopathic Parkinson's disease patients. *Frontiers in Neurology, Movement Disorders*, 5: 75 doi: 10.3389/fneur.2014.00075.
10. **Parma, V.**, Castiello, U., Köster, E.P., Mojet, J. (2014). Selecting food. The contribution of memory, preference and action. *Appetite*, 76, 186-196.
9. **Parma, V.**, Zanatto, D., Castiello, U. (2013). Visuo-olfactory integration during action observation and execution of reach to grasp movements. *Neuroreport*, 24(14):768-772. doi: 10.1097/WNR.0b013e328363d3ec.
8. **Parma, V.**, Bulgheroni, M., Tirindelli, R., Castiello, U. (2013). Body odors promote automatic imitation in autism. *Biological Psychiatry*, 74(3), 220-226. doi: 10.1016/j.biopsych.2013.01.010.
7. **Parma, V.**, Bulgheroni, M., Scaravilli, T., Tirindelli, R., Castiello, U. (2013). Implicit olfactory processing attenuates motor disturbances in idiopathic Parkinson's disease. *Cortex*, 49(5):1241-1251. doi: 10.1016/j.cortex.2012.05.017.
6. **Parma, V.**, Straulino, E., Zanatto, D., Cantagallo, A., Tirindelli, R., Castiello, U. (2012). Implicit olfactory abilities in traumatic brain injured patients. *Neuropsychology, Development, and Cognition. Section A, Journal of Clinical and Experimental Neuropsychology*, 34(9), 977- 988. doi: 10.1080/13803395.2012.711811.
5. **Parma, V.**, Tirindelli, R., Bisazza, A., Massaccesi, S., Castiello, U. (2012). Subliminally perceived odors modulate female intrasexual competition: an eye movement study. *PloS ONE*, 7(2), e30645. doi: 10.1371/journal.pone.0030645.
4. **Parma, V.**, Roverato, R., Ghirardello, D., Bulgheroni, M., Tirindelli, R., Castiello, U. (2011). When flavor guides motor control: an effector independence study. *Experimental Brain Research*, 212, 339-346. doi: 10.1007/s00221-011-2733-9.
3. **Parma, V.**, Ghirardello, D., Tirindelli, R., Castiello, U. (2011). Grasping a fruit. Hands do what flavour says. *Appetite*, 56(2), 249-254. doi: 10.1016/j.appet.2010.12.013.
2. **Parma, V.**, Tornasi, C., Grossi, P., Atzori, M., Perini, P., Calabrese, M., Tirindelli, M., Gallo, P., Castiello, U. (2010). Specific smell dysfunctions in relapsing-remitting multiple

sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, 1(1), 101-106. doi: 10.4172/2155-9562.1000101.

1. Castiello, U., Zucco, A., **Parma, V.**, Ansuini, C., Tirindelli, R. (2006). Cross-modal interactions between olfaction and vision when grasping. *Chemical Senses*, 31, 665-671. doi: 10.1093/chemse/bjl007.

Book chapters

3. Herrington, J.D., **Parma, V.**, Miller, J.S. (2017). Neurobiological mechanisms of anxiety in ASD. In book: *Anxiety in Children and Adolescents with Autism Spectrum Disorder*, pp.55-77, DOI: 10.1016/B978-0-12-805122-1.00004-1.
2. **Parma, V.**, Wilson, D.A., Lundström, J.N. (2017). Aversive olfactory conditioning: from rodents to humans. In book: *Handbook of Odor*, Springer.
1. **Parma, V.**, Gordon, A.R., Cecchetto, C., Cavazzana, A., Lundström, J.N., Olsson, M.J. (2017). Central processing of human body odor signals. In book: *Handbook of Odor*, Springer.

RESEARCH DISSEMINATION

Invited talks

34. **Parma, V.** (April, 24th 2019). How the Brain Decodes Smells in Autism: Insights From Neuroimaging *Psychoneuroendocrinology SIG, NIH, invited talk by Paule Joseph and Lorenzo Leggio*
33. **Parma, V.** with Francesca Franzon (April, 17th 2019). Why smell words do not come easily? Pathways to olfactory lexicon. *XLI Association for Chemoreception Sciences, Bonita Springs, FL, April 14-17, 2019, selected symposium*
32. **Parma, V.** with Francesca Franzon (March, 9th 2019). Why smell words do not come easily? Pathways to olfactory lexicon. *3rd International Convention of Psychological Science, Paris, France, March 7-9, 2019, selected symposium*
31. **Parma, V.** with Bert Bakker (March, 8th 2019). Threat in disguise: how autonomic and sensory processing affect political attitudes. *3rd International Convention of Psychological Science, Paris, France, March 7-9, 2019, selected symposium*
30. **Parma, V.** (December, 1st 2018). Can smell help people with autism be social? *TEDxAlessandria, Alessandria, Italy (IT), invited speaker.*
29. **Parma, V.** (October, 4th 2018). Chemosignal communication in Autism: insights from neuroimaging. *NeuroRAD2018, Frankfurt Am Main, Germany (D), selected symposium.*
28. **Parma, V.** (October, 1st 2018). Communicating (or not) via social chemosignals? Olfactory neurodiversity in Autism Spectrum Disorder. *William James Center for Research, Lisbon, Portugal (PT). Public lecture, invitation by Dr. Gün Semin.*
27. **Parma, V.** (September, 6th 2018). Social chemosignals in ASD: a tale of neurodiversity. *European Chemoreception Research Organization, Wurzburg, Germany (D), selected symposium.*
26. **Parma, V.** (May, 10th 2018). Differential Processing of Body Odors and Common Odors in ASD. *International Meeting for Autism Research (INSAR), Rotterdam, The Netherlands, selected abstract*
25. **Parma, V.** (April, 19th 2018). Communicating (or not) via chemosignals? The case of Autism. *XL Association for Chemoreception Sciences Annual Meeting, selected abstract.*

24. **Parma, V.** (April, 21th 2018). Nasi in Erba. *Biennale dell'infanzia, A lume di naso. San Donato Milanese, Milan, Italy*
23. **Parma, V.** (April 5th, 2017). The origin of human handedness and its role in pre-birth motor control *Handedness facts: from evolution to neuroscience, April, 4-5th 2017, Accademia dei Lincei, Rome, Italy.*
22. **Parma, V.** (March 25th, 2017). Social noses: strategies of human chemosignal communication *International Convention of Psychological Science, March, 23rd-25th 2017, Vienna, Italy.*
21. **Parma, V.** (February 20th, 2017). Avere un naso sociale. (On having a social nose). *Invited Seminar, IRCSS E. Medea, Bosisio Parini, Lecco, Italy. Invited seminar by Dr. Luca Casartelli.*
20. **Parma, V.** (December 17th, 2016). Analisi cinematica: dal feto allo sviluppo tipico e atipico. (Kinematic analysis: from fetuses to typical and atypical development). *"Ricordando Adriano Milani Comparetti.....Attualità e Prospettive nello sviluppo infantile e nella riabilitazione in età evolutiva", Firenze, Italy. Invited by Dr. Roberto Leonetti, Associazione Italiana Salute Mentale Infantile.*
19. **Parma, V.** (December 5th, 2016). The human social nose. Università La Sapienza, Roma, Italy. Invitation by Dr. Salvatore Maria Aglioti. *Università La Sapienza, Roma, Italy. Invited seminar by Dr. Salvatore Maria Aglioti.*
18. **Parma, V.** (November, 18th 2016). Human chemosignal communication. *Brigham Young University, Department of Neuroscience, Provo (Utah, USA). Invitation by Dr. Ramona Hopkins.*
17. **Parma, V.** (October, 19th 2016). A social nose: Human chemosignal communication. *Western University, The Brain and Mind Institute. Invitation by Dr. Jody Culham.*
16. **Parma, V.** (October, 6th 2016). Taking life in one's own...nose! *Workshop "Olfaction and Emotion", Swiss Center for Affective Sciences. Invitation by Dr. Géraldine Coppin.*
15. **Parma, V.** (September, 21th 2016). Il naso sociale: anche l'uomo comunica attraverso l'olfatto. (A social nose: humans, too communicate through their sense of smell). *Associazione Italiana di psicologia - Sezione Psicologia Sperimentale, Roma, selected symposium.*
14. **Parma, V.** (September, 10th 2016). The role of human body odors in in-group/out-group relationships. *XXVI European Chemoreception Research Organization, Athens, Greece (G), selected symposium.*
13. **Parma, V.** (May, 14th 2016). Resting autonomic activity in children with Autism Spectrum Disorders and matched controls with and without comorbid anxiety. *International Meeting for Autism Research (IMFAR), Baltimore, MD, USA.*
12. **Parma, V.** (February, 1st 2016). Human chemosignal communication. *William James Center for Research, Lisbon, Portugal (PT). Invitation by Dr. Gün Semin.*
11. **Parma, V.** (October, 16th 2015). Chemical warning signals in humans. *Society for Social Neuroscience (S4SN), Chicago, selected symposium.*
10. **Parma, V.** (April, 23th 2015). Anxiety-dependent modulation of olfactory fear conditioning: a multidimensional approach. *XXXVII Association for Chemoreception Sciences Annual Meeting, selected abstract.*
9. **Parma, V.** (March, 16h 2015). Annusare il pericolo: una questione di ansia. (Smelling danger: a matter of anxiety). *Brain Awareness Week, University of Padova, Italy. Invited talk.*
8. **Parma, V.** (October, 1st 2014). The role of odors in approach-avoidance behaviors. *46th Monell Chemical Senses Center Sponsors Meeting, Philadelphia, PA, USA.*

7. **Parma, V.** (July, 15th 2014). Odors in autism. *Centre de Recherche en Neurosciences de Lyon, Lyon, France. Invitation by Dr. Moustafa Bensafi.*
6. **Parma, V.** (March, 1st 2013). Human olfactory learning. The fear of smelling. *Invited seminar at Scuola Internazionale Superiore di Studi Avanzati (SISSA), Trieste, Italy. Invitation by Dr. Raffaella Rumiati.*
5. **Parma, V.** (October, 11th 2013). The fear of smelling. Odors and Anxiety. *45th Monell Chemical Senses Center Sponsors Meeting, Philadelphia, PA, USA.*
4. **Parma, V.** (July, 25th 2011). Olfactory performance in neurological populations. How kinematics can help studying implicit olfaction. *Summer School in Human Olfaction 2011, Dresden, Germany.*
3. **Parma, V.** (September, 16th 2011). Subliminally perceived odours modulate women intrasexual competition. *Invited seminar at the Department of Neuroscience, University of Parma, Italy.*
2. **Parma, V.** (November, 4th 2010). Implicit odour processing. A way to preserve Parkinson's patients from bradykinesia. *1st Olfaction Issues, Paris, France.*
1. **Parma, V.** (February, 17th 2010). When kinematics meet the chemical senses. *Texture Taste Interaction project Lab meeting. Nizo Food Research, Ede, The Netherlands.*

Poster presentation

41. Treichel, N., Dukes, D., Zaharia, A., Chillà, C., **Parma, V.**, Sander, D., Samson, A.C. Social motivation and sensitivity to social olfactory information: the case of individuals with Autism Spectrum Disorder and Williams syndrome *International Association for the Scientific Study of Intellectual and Developmental Disabilities, Glasgow, United Kingdom, August 6-9, 2019.*
40. **Parma, V.**, Furlan, M., Top, D.N., Stephenson, K., South, M. How do adults with ASD respond to volatile stimuli? Behavioral and neural evidence. *INSAR 2019, International Meeting for Autism Research, Montreal, Canada, May 1-4, 2019.*
39. **Parma V.**, Furlan, M., Top, D.N., Stephenson, K., South, M. Behavioral and neurophysiological mechanisms underlying responses to olfactory volatility in autism *XLI Association for Chemoreception Sciences, Bonita Springs, FL, April 14-17, 2019..*
38. **Parma V.**, Homayouni, A., Glad, C.W., Rusten, M., Rykke, M., Singh, P.B. Emotional contagion based on intensity of anxiety and expertise of recipients: the case of dental professionals. *XLI Association for Chemoreception Sciences, Bonita Springs, FL, April 14-17, 2019..*
37. Cecchetto, C., Fischmeister, F., Gorkiewicz, S., Bagga, D., **Parma V.**, Schöpf V. Social odor context enhances encoding and recognition of faces. *XLI Association for Chemoreception Sciences, Bonita Springs, FL, April 14-17, 2019..*
36. Masala, C., Cavazzana, A., Aprea, E., Borgogno, M., Cantone, E., Ciofalo, A., Drago, S., Endrizzi, I., Gasperi, F., Macchi, A., Menghi, T., **Parma V.**, Penza, F., Piras, R., Torri, L., Zambanini, J., Hummel, T. An Italian population-based study of the prevalence of olfactory impairment. *XLI Association for Chemoreception Sciences, Bonita Springs, FL, April 14-17, 2019..*
35. Balli, E.M., Pescuma, V.N., Puccioni, O., Crepaldi, D., **Parma V.**, Cerrato, S. Odor Valence Modulates Response Inhibition. *Citizen Science Association Conference, Raleigh, NC, March 13-17, 2019.*

34. Albayay, J., Castiello, U., **Parma V.** Odor Valence Modulates Response Inhibition. *3rd International Convention of Psychological Science, Paris, France, March 7-9, 2019.*
33. **Parma, V.**, Furlan, M., Stephenson, K., Top, D.N., Hunsaker, N., Hedges-Muncy, A., Muncy, N., Beck, J., Russell, N., South, M. Neural Characterization of Olfaction in Adults with autism spectrum disorder. *XLVIII Society for Neuroscience, San Diego, CA, November 3-7, 2018.*
32. Culham, J. C., Schumacher, S. M., Quinlan, D. J., Stubbs, K. M., Basmaji, J., Leblanc, C. L., Segall, R. E., **Parma, V.** Adults prefer to look at real objects more than photos. *Vision Sciences Society, St. Pete Beach, Florida, May 17-22, 2019.*
31. **Parma, V.**, Zampieri, M., Castiello, U., Sartori, L. Smelling intentions. Can human chemosignals influence the perception of action intentions? *28th European Chemoreception Research Organization Meeting (ECRO), Würzburg, Germany, September 5-8, 2018.*
30. **Parma, V.**, Cellini, N., Guy, L., McVey, A., Rump, K., Worley, J., Bush, J., Miller, J.S., Herrington, J.D. Peripheral Sympathetic and Parasympathetic Activity in ASD with and without Comorbid Anxiety. *INSAR 2018, International Meeting for Autism Research, Rotterdam, The Netherlands, May 9-12, 2018.*
29. **Parma, V.**, Stephenson, K., Top, D.N., Hunsaker, N., Hedges-Muncy, A., Muncy, N., Beck, J., Russell, N., South, M. Odor Identification Skills in Adults with ASD Are Associated with Anatomical Abnormalities in the Tractography of Fronto-Occipital Fasciculi. *INSAR 2018, International Meeting for Autism Research, Rotterdam, The Netherlands, May 9-12, 2018.*
28. Nuske, H.J., Finkel, E., Hedley, D., **Parma, V.**, Tomczuk, L., Pellicchia, M., Herrington, J., Marcus, S., Mandell, D., Dissanayake, C. Utility of Heart Rate Increase for Prediction of Challenging Behavior Episodes in Preschoolers with Autism. *INSAR 2018, International Meeting for Autism Research, Rotterdam, The Netherlands, May 9-12, 2018.*
27. Culham, J. C., Schumacher, S. M., Quinlan, D. J., Stubbs, K. M., **Parma, V.** (May 2018). Adults prefer to look at real objects more than photos. *Workshop on Concepts, Actions, and Objects (CAOS), University of Trento, Rovereto, 4-7 May 2017*
26. Guerra, S., Spoto, A., **Parma, V.**, Straulino, E., Castiello, U. (2017). Numbness Illusion in Autism: Implications for Social Interactions. *7th bi-annual Joint Action Meeting (JAM), Queen Mary University, London, 22-25 July 2017*
25. de Carlo, S., **Parma, V.**, Cellini, N. (2017). Sleep difficulties in autism spectrum disorder: a meta-analysis. *Sleep* Published at 40 (Suppl. 1), A435. doi:10.1093/sleep/zsx050.1164
24. Schumacher, S.M., Quinlan, D.J., Stubbs, K.M., **Parma, V.**, Culham, J.C. Adults prefer to look at real objects more than pictures. *Canadian Action and Perception (CAPnet) Satellite Symposium at the Canadian Association for Neuroscience, May 2017.*
23. Rocha, M., Ribeiro, J., Pinheiro, S., Oliveira, A.R., **Parma, V.**, Semin, G.R., Soares, S.C. The effects of alexithymia in the experience of emotional situations. *XXth Portuguese Experimental Psychology Association (APPE) Annual Meeting, .*
22. Rocha, M., Ribeiro, J., Pinheiro, S., Oliveira, A.R., **Parma, V.**, Semin, G.R., Soares, S.C. Film clips as emotional inducers in the laboratory. *XXth Portuguese Experimental Psychology Association (APPE) Annual Meeting, .*
21. **Parma, V.**, Stephenson, K., Top, D.N., Hunsaker, N., Beck, J., Russell, N., South, M. Behavioral and Neural Characterization of Olfaction in Adults with ASD: from Common to Body Odor Perception. *XXXIX Association for Chemoreception Sciences, Bonita Springs, FL, April 26-29, 2017.*
20. Singh, P.B., Lind, S., Leegaard, M.C., **Parma, V.** Applied anxiety body odor research in humans: impact of anxiety communicated via chemosignals on the performance of

dental professionals. *XXXIX Association for Chemoreception Sciences, Bonita Springs, FL, April 26-29, 2017.*

19. Soares, S.C., Rocha, M., Campos, S., Alho, L., Ferreira, J., Macedo, S., **Parma, V.** Human body odor identification is affected by the valence of the contextual information at encoding and retrieval. *XXXIX Association for Chemoreception Sciences Annual Meeting, April 26-19 2017, Bonita Springs, Florida.*
18. Ferreira, J., Olsson, M., **Parma, V.**, Oliveira, M., Alho, L., Ramos, G., Raposo, J., Silva, C., Soares, S.C. Cardiac autonomic correlates of fear and disgust chemosignals. *3rd European Society for Cognitive and Affective Neuroscience, June 23-26 Porto, Portugal.*
17. Soares, S.C., Rocha, M., **Parma, V.**, Lundström, J.N. The influence of anxiety body odors on the behavioral and psychophysiological responses for dynamic emotional faces. *3rd European Society for Cognitive and Affective Neuroscience, June 23-26 Porto, Portugal.*
16. **Parma, V.**, Cellini, N., Guy, L., McVey, A., Rump, K., Worley, J., Bush, J., Miller, J.S., Herington, J.D. Autonomic activity at rest: the case of children with autism spectrum disorders with and without comorbid anxiety. *IMFAR 2016, International Meeting for Autism Research, Baltimore, USA, May 11-15, 2016.*
15. **Parma, V.**, Cavazzana, A., Lundström, J.N. Stranger's body odor selectively reduces response time to threatening faces. *XXXVIII Association for Chemoreception Sciences Annual Meeting, April, 20-24 2016. Bonita Springs, Florida.*
14. Cecchetto, C., Cavazzana, A., Gordon, A.R., Rebeschini, V., **Parma, V.**, Lundström, J.N. Chemosensory threat signals: the case of strangers' body odor. *XXXVIII Association for Chemoreception Sciences Annual Meeting, April, 20-24 2016. Bonita Springs, Florida.*
13. Cavazzana, A., Wesarg, C., Parish-Morris, J., Lundström, J.N., **Parma, V.** Visuo-olfactory social affective matching in childhood. *XXXVIII Association for Chemoreception Sciences Annual Meeting, April, 20-24 2016. Bonita Springs, Florida.*
12. Rocha, M., **Parma, V.**, Lundström, J.N., Soares, S.C. Anxiety body odor induces a stress response in the recipient: evidence from recognition of dynamic facial expressions and heart rate variability. *XXXVIII Association for Chemoreception Sciences Annual Meeting, April, 20-24 2016. Bonita Springs, Florida.*
11. Freiherr, J., Mutic, S., Cavazzana, A., Rocha, M., Soares, S.C., Lundström, J.N., **Parma, V.** The scent of the other woman: Role of female body odor during intrasexual competition. *XXXVIII Association for Chemoreception Sciences Annual Meeting, April, 20-24 2016. Bonita Springs, Florida.*
10. **Parma, V.**, Cellini, N., Guy, L., McVey, A., Rump, K., Worley, J., Bush, J., Miller, J.S., Herington, J.D. Autonomic activity at rest: the case of children with autism spectrum disorders with and without comorbid anxiety. *1° AIRA National Meeting: The Autism Challenge: from research to individualized practice, Rome, Italy, December 1, 2015.*
9. **Parma, V.**, Coutanche, M., Seubert, J., Fondberg, R., Hackl, L., Åhs, F., and Lundström, J.N. Multidimensional approach to the study of olfactory fear conditioning in individuals with low and high trait anxiety vulnerability. *Clinical Chemosensation Meeting, November, 20-23 2014. Dresden, Germany.*
8. **Parma, V.**, Åhs, F., Seubert, J., Hackl, L., Lundström, J.N. (June 2013). Neural investigation of olfactory fear conditioning in high and low anxious individuals. *XIX Organization for Human Brain Mapping Annual Meeting, June, 16-20 2013. Seattle, Washington.*
7. **Parma, V.**, Miller, S. S., Åhs, F., Lundström, J. N. (April 2013). Common aversive learning mechanisms to olfactory and visual stimuli. *XXXV Association for Chemoreception Sciences Annual Meeting, April, 17-20 2013. Huntington Beach, California.*

6. **Parma, V.**, Tirindelli, R., Bisazza, A., Massaccesi, S. Castiello, U. Evidence that the putative human pheromone androstadienone modulates women intrasexual competition: the case of face processing. *XXXIII Association for Chemoreception Sciences Annual Meeting, April, 13-18 2011. St. Pete Beach, Florida.*
5. Begliomini, C., Cavallo, A., Becchio, C., Sartori, L., **Parma, V.**, Castiello, U. Detecting social intentions. *Cognitive Neuroscience Society Annual Meeting, April, 2-5 2011. San Francisco, California.*
4. **Parma, V.**, Bulgheroni, M., Scaravilli, T., Tirindelli, R., Castiello, U. Implicit processing of olfactory stimuli in Parkinson's disease patients a way to preserve from bradykinesia and reduced hand aperture. *7th International Congress on Mental Dysfunctions Other Non-Motor Features in Parkinson's Disease Related Disorders, December, 9-12 2010. Barcelona, Spain.*
3. **Parma, V.**, Tornasi, C., Grossi, P., Atzori, M., Perini, P., Calabrese, M., Tirindelli, R., Gallo, P., Castiello, U. Olfactory dysfunction in relapsing remitting multiple sclerosis. *18th European Chemoreception Research Organization Meeting (ECRO). September, 3-7 2008. Portoroz, Slovenia.*
2. Castiello, U., Zucco, G. M., **Parma, V.**, Ansuini, C. Tirindelli, R. When odour turns into grasp. *17th European Chemoreception Research Organization Meeting (ECRO). September, 4-8 2006. Granada, Spain.*
1. **Parma, V.**, Zucco, G.M., Ansuini, C., Tirindelli, R., Castiello, U. Smell in the grasp. *13th Cognitive Neuroscience Society Annual Meeting. April, 7-11 2006. San Francisco, California.*

FELLOWSHIPS AND AWARDS

Fellowships

NOV 2015-NOV 2018	Award Postdoctoral fellowship (Assegno premiale) at SCUOLA INTERNAZIONALE DI STUDI SUPERIORI AVANZATI (SISSA), Trieste, Italy
JAN 2014-JUL 2015	Louise Slade Fellowship at MONELL CHEMICAL SENSES CENTER, Philadelphia (PA), United States of America.
JAN 2012-DEC 2013	Junior Postdoctoral fellowship at UNIVERSITY OF PADOVA, Padova, Italy.

Travel Awards

JUL 2018	Travel award financed by ECRO to participate to the 2018 ECRO Annual Meeting (€500)
FEB 2017	Oral communication travel award awarded by the Associazione Italiana di Psicologia (AIP) - Sezione sperimentale (€225)
DEC 2016	Oral communication travel award awarded by the Associazione Italiana di Psicologia (AIP) - Sezione sperimentale (€500)
MAR 2016	Oral communication travel award awarded by the Associazione Italiana di Psicologia (AIP) - Sezione sperimentale (€500)
MAY 2014	International Summer School in Affective Sciences (ISSAS 2014) stipend to participate to ISSAS 2014. (€1700)
APR 2014	BPP Postdoc Travel Award to participate to the XXXVI AChemS Annual Meeting (€500)
APR 2011	Travel award financed by ECRO to participate to the XXXIII AChemS Annual Meeting. (€500)

GRANTS

8.1 Funded

2017-2020	Co-Advisor to a doctoral student awarded with the Fundação para a Ciência e a Tecnologia (FCT) scholarship SFRH/BD/118244/2016. (€50.000/4 years)
2018-2019	Co-Applicant to Association for Politics and the Life Sciences funding for replication report. (\$1500)

TEACHING EXPERIENCE

2017-2018 SISSA, ITALY	Lecturer, "SCIENTIFIC WRITING". <i>Poster, oral presentation and becoming a reviewer</i> <i>Graduate students, English language</i> 10 hours
2017 SISSA, ITALY	Lecturer, "COGNITIVE NEUROSCIENCE – OUTLOOK ON SPECIAL POPULATIONS" <i>Module 2: Neurodevelopment</i> <i>Graduate students, English language</i> 8/16 hours
2016-2017 SISSA, ITALY	Lecturer, "SCIENTIFIC WRITING". <i>Poster, oral presentation and becoming a reviewer</i> <i>Graduate students, English language</i> 10 hours
2016-2017 UNIVERSITY OF PADOVA, ITALY	Invited Lecturer, "COGNITIVE NEUROSCIENCE OF ACTION". <i>Perception and action</i> <i>Master students, English language</i> 4 hours
2016 UNIVERSITY OF GENEVA, SWITZERLAND	Invited Lecturer, "AFFECT ET CONSOMMATION ALIMENTAIRE". <i>Eating issues in ASD</i> <i>Master students, French language</i> 1.5 hours
2014-2016 UNIVERSITY OF PADOVA, ITALY	Invited Lecturer, "COGNITIVE NEUROSCIENCE OF ACTION". <i>Perception and action</i> <i>Master students, English language</i> 8 hours
2010-2016 UNIVERSITY OF PADOVA, ITALY	Invited Lecturer, "NEUROPSYCHOLOGY OF MOTOR CONTROL". <i>Neuropsychology, perception and action</i> <i>Master students, Italian language</i> 20 hours
2010-2012 UNIVERSITY OF PADOVA, ITALY	Invited Lecturer, "PSYCHOBIOLOGY (BASIC)". <i>Perception and action</i> <i>Undergraduate students, Italian language</i> 12 hours
2009-2012 UNIVERSITY OF PADOVA, ITALY	Invited Lecturer, "PSYCHOBIOLOGY (ADVANCED)". <i>Perception, action, language, mental health issues</i> <i>Master students, Italian language</i> 12 hours

STUDENTS' SUPERVISION

2018	<p>Co-Advisor</p> <p>PHD CANDIDATES</p> <p><i>Jacqueline Ferreira</i>, (University of Aveiro, Portugal) - Psychology</p> <p>PHD STUDENTS</p> <p><i>Javier Albayay</i>, (University of Padova, Italy) - Psychology</p> <p><i>Filipa Barros</i>, (University of Aveiro, Portugal) - Psychology</p> <p><i>Marta Rocha</i>, (University of Aveiro, Portugal) - Psychology</p> <p>MASTER STUDENTS</p> <p><i>Alessandra Federici</i>, (IRCSS E. Medea, Bosisio Parini, Italy) - Psychology</p> <p><i>Alessandra Capuozzo</i>, (University of Napoli, Italy) - Psychology</p> <p><i>Sara deCarlo</i>, (University La Sapienza, Rome, Italy) - Neuroscience</p> <p><i>Valeria Piacentino</i>, (University of Milan) - Medicine and Surgery</p> <p><i>Giulia Haruni</i>, (University of Trieste) - Psychology</p> <p>UNDERGRADUATE STUDENTS</p> <p><i>Luca Radassao</i>, (University of Bologna, Italy) - Psychology</p> <p><i>Matteo Zampieri</i>, (CimeC, Trento, Italy) - Cognitive Science</p> <p><i>Sara Presiren</i>, (University of Trieste) - Psychology</p>
2017	<p>Co-Advisor</p> <p>PHD CANDIDATES</p> <p><i>Paolo Garlasco</i>, (SISSA, Italy) - Cognitive Neuroscience</p> <p>PHD STUDENTS</p> <p><i>Javier Albayay</i>, (University of Padova, Italy) - Psychology</p> <p><i>Filipa Barros</i>, (University of Aveiro, Portugal) - Psychology</p> <p><i>Marta Rocha</i>, (University of Aveiro, Portugal) - Psychology</p> <p><i>Jacqueline Ferreira</i>, (University of Aveiro, Portugal) - Psychology</p> <p>MASTER STUDENTS</p> <p><i>Alessandra Federici</i>, (IRCSS E. Medea, Bosisio Parini, Italy) - Psychology</p> <p><i>Alessandra Capuozzo</i>, (University of Napoli, Italy) - Psychology</p> <p><i>Sara deCarlo</i>, (University La Sapienza, Rome, Italy) - Neuroscience</p> <p><i>Christina Danzell</i>, (MIT, Boston, USA) - Neuroscience</p> <p>UNDERGRADUATE STUDENTS</p> <p><i>Luca Radassao</i>, (University of Bologna, Italy) - Psychology</p> <p><i>Matteo Zampieri</i>, (CimeC, Trento, Italy) - Cognitive Science</p> <p><i>Franz Lehmann</i>, (University of Rostock, Germany) - Medicine</p>
2016	<p>Co-Advisor</p> <p>PHD CANDIDATES</p> <p><i>Cinzia Cecchetto</i>, (SISSA, Italy) - Cognitive Neuroscience</p> <p>PHD STUDENTS</p> <p><i>Paolo Garlasco</i>, (SISSA, Italy) - Cognitive Neuroscience</p> <p><i>Marta Rocha</i>, (University of Aveiro, Portugal) - Psychology</p> <p><i>Jacqueline Ferreira</i>, (University of Aveiro, Portugal) - Psychology</p> <p>MASTER STUDENTS</p> <p><i>Filipa Barros</i>, (University of Aveiro, Portugal) - Psychology</p> <p><i>Alessandra Capuozzo</i>, (University of Napoli, Italy) - Psychology</p> <p><i>Sara deCarlo</i>, (University La Sapienza, Rome, Italy) - Neuroscience</p> <p><i>Christina Danzell</i>, (MIT, Boston, USA) - Neuroscience</p> <p>UNDERGRADUATE STUDENTS</p> <p><i>Matteo Zampieri</i>, (CimeC, Trento, Italy) - Cognitive Science</p>

2015	<p>Co-Advisor</p> <p>PHD CANDIDATES</p> <p><i>Annachiara Cavazzana</i>, (University of Padova, Italy/Monell Chemical Senses Center, USA) - Cognitive Neuroscience</p> <p>PHD STUDENTS</p> <p><i>Smiljana Mutic</i>, (University of Aachen, Germany/Monell Chemical Senses Center, USA) - Cognitive Neuroscience</p> <p>UNDERGRADUATE STUDENTS</p> <p><i>Wesarg Christiane</i>, (University of Dresden, Germany/Monell Chemical Senses Center, USA) - Cognitive Neuroscience</p>
2014	<p>Co-Advisor</p> <p>PHD STUDENTS</p> <p><i>Cinzia Cecchetto</i>, (SISSA, Italy/Monell Chemical Senses Center) - Cognitive Neuroscience</p> <p>UNDERGRADUATE STUDENTS</p> <p><i>Vanessa Rebeschini</i>, (University of Padova, Italy/Monell Chemical Senses Center) - Cognitive Neuroscience</p> <p><i>Patrick Casey</i>, (University of Pennsylvania, USA/Monell Chemical Senses Center, USA) - Experimental Psychology</p> <p><i>Jovanna Pope</i>, (Barnard College, NY, USA/Monell Chemical Senses Center, USA) - Experimental Psychology</p>
2013	<p>Co-Advisor</p> <p>MASTER STUDENTS</p> <p><i>Laura Hackl</i>, (University of Vienna, Austria/Monell Chemical Senses Center) - Cognitive Neuroscience</p> <p>UNDERGRADUATE STUDENTS</p> <p><i>Melissa Co</i>, (University of Pennsylvania, USA/Monell Chemical Senses Center, USA) - Experimental Psychology</p> <p><i>Lauren Foster</i>, (University of Pennsylvania, USA/Monell Chemical Senses Center, USA) - Experimental Psychology</p> <p><i>Cecilia Nuygen</i>, (Monell Chemical Senses Center, USA) - Experimental Psychology</p>
2009-2012	<p>Co-Advisor</p> <p>MASTER STUDENTS</p> <p><i>Debora Zanatto</i>, (University of Padova, Italy) - Experimental Psychology</p> <p>UNDERGRADUATE STUDENTS</p> <p><i>Debora Ghirardello</i>, (University of Padova, Italy) - Experimental Psychology</p> <p><i>Roberto Roverato</i>, (University of Padova, Italy) - Experimental Psychology</p> <p><i>Giorgia Fanton</i>, (University of Padova, Italy) - Experimental Psychology</p> <p><i>Sabrina Urbani</i>, (University of Padova, Italy) - Experimental Psychology</p>

SCIENTIFIC SERVICE

Ad hoc Reviewer

PEER-REVIEW JOURNALS	Acta Psychologica; Autism; Biological Psychology; BMJ Open; Brain and Cognition; Chemical Senses; Chemosensory Perception; Clinical Otolaryngology; Cognition and Emotion; Cortex; Developmental Disabilities; Emotion; European Journal of Nutrition; Frontiers in Behavioral Neuroscience; Hormones and Behavior; Human Brain Mapping; Journal of Autism and Developmental Disorders; Journal of Experimental Social Psychology; Journal of Neurodevelopmental Disorders; Learning and Instruction; Nature Neuroscience; Neuroscience; Neuroscience and Biobehavioral Reviews; Perception; PLoS ONE; Psychological Science; Psychoneuroendocrinology; Physiology and Behavior; Research in Developmental Disabilities; Scientific Reports; The Neuroscientist; Translational Psychiatry.
PEER-REVIEW GRANTS	ISF Israel Science Foundation, 2017 F.R.S.-FNRS - Call Grants and Fellowships 2014
PEER-REVIEW ABSTRACTS	International Meeting for Autism Research- INSAR 2017-2019 Organization for Human Brain Mapping - OHBM 2017-2018
GUEST EDITOR	Frontiers in Cognitive Science and Emotion Science
EDITORIAL BOARD	Scientific Reports: Neuroscience (2018-2020)
COMMITTEE MEMBER	AChemS Mentoring/Networking Committee (2015-2018) AChemS Junior Councilor for the Executive Committee (2018-2019)
SEMINAR SERIES ORGANIZER	POSTDOCTORAL SEMINAR SERIES International School for Advanced Studies, Trieste, Italy, January 2017- November 2018.
CONFERENCE ORGANIZER	INTERNATIONAL CONFERENCE OF WOMEN IN OLFACTORY SCIENCE (WIOS), Wageningen University, Wageningen, The Netherlands, May 24-25 2019. HANDEDNESS FACTS: FROM EVOLUTION TO NEUROSCIENCE. Accademia dei Lincei, Rome, Italy, April 4-5 2017. INTERNATIONAL CONFERENCE OF WOMEN IN OLFACTORY SCIENCE (WIOS), SISSA, Trieste, Italy, October 5-6 2017.

LANGUAGES

ITALIAN: Native
ENGLISH: Fluent
FRENCH: Intermediate

COMPUTER SKILLS

Basic Knowledge: Matlab, vba, ~~TEX~~ \LaTeX
Intermediate Knowledge: R, SPSS, Kubios, Labchart