

## Publication List

### Main five publications

Dirupo G., Totaro S., Richard J., & **Corradi-Dell'Acqua C.** (2021). Medical education and distrust modulate the response of insular-cingulate network and ventral striatum in pain diagnosis. *eLife*, 10, e63272. doi: 10.7554/eLife.63272

Sharvit G., Lin E., Vuilleumier P., & **Corradi-Dell'Acqua C.** (2020) Does inappropriate behavior hurt or stink? The interplay between neural representations of somatic experiences and moral decisions. *Science Advances*, 6, eaat4390. doi: 10.1126/sciadv.aat4390

**Corradi-Dell'Acqua C.**, Foester M., Sharvit G., Trueb L., Foucault E., Fournier Y., Vuilleumier P. & Hugli O. (2019) Pain management decisions in emergency hospitals are predicted by brain activity during empathy and error monitoring. *British Journal of Anaesthesia*, 123 (2), e284-e292. doi: 10.1016/j.bja.2019.01.039

**Corradi-Dell'Acqua C.**, Tusche A., Vuilleumier P. & Singer T. (2016) Cross-modal representations in anterior insula and cingulate cortex. Evidence for shared and distinct neural codes for first-hand and vicarious pain, disgust, and unfairness. *Nature Communications*, 7, 10904. doi: 10.1038/ncomms10904

**Corradi-Dell'Acqua C.**, Hofstetter C. & Vuilleumier P. (2011) Felt and observed pain have shared distributed representations in human anterior insula. *Journal of Neuroscience*, 31, 17996-18006. doi: 10.1523/JNEUROSCI.2686-11.2011

### Other publications as first or last author

Dirupo G., Garlasco P., Chappuis C., Sharvit G., & **Corradi-Dell'Acqua C.** (2020) State-specific and supra-ordinal components of facial response to pain. *IEEE Transactions on Affective Computing*. doi: 10.1109/TAFFC.2020.2965105

**Corradi-Dell'Acqua C.**, Ronchi R., Thomasson M., Bernati T., Saj. A & Vuilleumier P. (2020). Deficits in cognitive and affective theory of mind relate to dissociated lesion patterns in prefrontal and insular cortex. *Cortex*, 128, 218-233. doi: 10.1016/j.cortex.2020.03.019

Antico L., Cataldo E. & **Corradi-Dell'Acqua C.** (2019) Does my pain affect your disgust? Cross-modal influence of first-hand aversive experiences in the appraisal of others' facial expressions. *European Journal of Pain*, 23, 1283-1296. doi: 10.1002/ejp.1390

Sharvit G., Vuilleumier P., & **Corradi-Dell'Acqua C.** (2019) Sensory-specific predictive models in the human anterior insula. *F1000Research*, 8, 164. doi: 10.12688/f1000research.17961.1

Antico L., Guyon A., Mohamed Z.K. & **Corradi-Dell'Acqua C.** (2018) Beyond Unpleasantness. Social exclusion affects the experience of pain, but not of equally-unpleasant disgust. *Cognition*, 181, 1-11. doi: 10.1016/j.cognition.2018.08.002

**Corradi-Dell'Acqua C.**, Koban L., Leiberg S., & Vuilleumier P. (2016). Editorial: What Determines Social Behavior? Investigating the role of emotions, self-centered motives, and social norms. *Frontiers in Human Neuroscience*, 10, 342. doi: 10.3389/fnhum.2016.00342

Sharvit G., Vuilleumier P., Delplanque S., & **Corradi-Dell'Acqua C.** (2015) Cross-modal and modality-specific expectancy effects between pain and disgust. *Scientific Reports*, 5, 17487. doi: 10.1038/srep17487

**Corradi-Dell'Acqua C.**, Turri F., Kaufmann L., Clément F., & Schwartz S. (2015) How the brain predicts people's behavior in relation to rules and desires. Evidence of a medio-prefrontal dissociation. *Cortex*, 70, 21-34. doi: 10.1016/j.cortex.2015.02.011

**Corradi-Dell'Acqua C.**, Fink G. R., Weidner R. (2015) Selecting Category Specific Visual Information: Top-Down and Bottom-up Control of Object-Based Attention. *Consciousness and Cognition*, 35, 330-341. doi: 10.1016/j.concog.2015.02.006

**Corradi-Dell'Acqua C.**, Hofstetter C. & Vuilleumier P. (2014). Cognitive and affective theory of mind share the same local patterns of activity in posterior temporal but not medial prefrontal cortex. *Social Cognitive and Affective Neuroscience*, 9, 1175-1184. doi: 10.1093/scan/nst097

**Corradi-Dell'Acqua C.**, Schwartz S., Meaux E., Hubert B., Vuilleumier. P. & Deruelle C. (2014). Neural responses to emotional expression information in high- and low-spatial frequency in autism. Evidence for a cortical dysfunction. *Frontiers in Human Neurosciences*, 8, 189. doi: 10.3389/fnhum.2014.00189

**Corradi-Dell'Acqua C.**, Civai C., Rumiati R.I., & Fink G. R. (2013). Disentangling self- and fairness- related mechanisms in the Ultimatum Game: an fMRI study. *Social Cognitive and Affective Neuroscience*, 8, 424-431. doi: 10.1093/scan/nss014

**Corradi-Dell'Acqua C.**, Tomelleri L., Bellani M., Rambaldelli G., Cerini R., Pozzi Mucelli R., Balestrieri M., Tansella M. & Brambilla P. (2012). Thalamic-insular dysconnectivity in Schizophrenia. Evidence from Structural Equation Modeling. *Human Brain Mapping*, 33, 740-752. doi: 10.1002/hbm.21246

Rumiati R.I., Papeo L., & **Corradi-Dell'Acqua C.** (2010). Higher-level motor processes. *Annals of the New York Academy of Sciences*, 1191, 219-241. doi: 10.1111/j.1749-6632.2010.05442.x.

**Corradi-Dell'Acqua C.**, & Tessari A. (2010) Is the Body in the Eye of the Beholder? Visual Processing of Bodies in Individuals with Anomalous Anatomical, Sensory and Motor Features. *Neuropsychologia*, 48, 689-702. doi: 10.1016/j.neuropsychologia.2009.11.029

Rumiati R. I., Carmo J. C., & **Corradi-Dell'Acqua C.** (2009) Neuropsychological perspectives on the mechanisms of imitation. *Philosophical Transactions of the Royal Society. B.*, 364, 2337-2347. doi: 10.1098/rstb.2009.0063

**Corradi-Dell'Acqua C.**, Tomasino B., & Fink G. R. (2009) What is the Position of an Arm relative to the Body? Neural Correlates of Body Schema and Body Structural Description. *Journal of Neuroscience*, 29, 4162-4171. doi: 10.1523/JNEUROSCI.4861-08.2009

**Corradi-Dell'Acqua C.**, Hesse M. D., Rumiati R. I., & Fink G. R. (2008). Where Is A Nose With Respect To A Foot? The Left Posterior Parietal Cortex Processes Spatial Relationships Among Body Parts. *Cerebral Cortex*, 18, 2879-2890. doi: 10.1093/cercor/bhn046

**Corradi-Dell'Acqua C.**, Ueno K., Ogawa A., Cheng K., Rumiati R. I., & Iriki A. (2008). Effects of Shifting Perspective of The Self: an fMRI study. *NeuroImage*, 40, 1902-1911. doi: 10.1016/j.neuroimage.2007.12.062

Other peer-reviewed publications

Dirupo G., **Corradi-Dell'Acqua C.**, Kashef M., Debbané M., & Badoud D. (2020). The role of interoception in understanding others' affect. Dissociation between superficial and detailed appraisal of facial expressions. *Cortex*, 136, 16-31. doi: 10.1016/j.cortex.2020.05.010

Doell K., Olié E., Courtet P., **Corradi-Dell'Acqua C.**, Perroud N., & Schwartz S. Atypical processing of social anticipation and feedback in borderline personality disorder (2020). *Neuroimage: Clinical*, 25, 102126. doi: 10.1016/j.nicl.2019.102126

Sharvit G., **Corradi-Dell'Acqua C.**, & Vuilleumier P. (2018) Modality-specific effects of aversive expectancy in anterior insula and medial prefrontal cortex. *Pain*, 159, 8, 1529–1542. doi: 10.1097/j.pain.0000000000001237

Olié E., Doell K., **Corradi-Dell'Acqua C.**, Courtet P., Perroud N., Schwartz S. (2018) Physical pain recruits the nucleus accumbens during social distress in borderline personality disorder. *Social Cognitive and Affective Neuroscience*, 13, 10, 1071-1080. doi: 10.1093/scan/nsy078

Qiao-Tasserit E., **Corradi-Dell'Acqua C.**, & Vuilleumier P. (2018) The good, the bad, and the suffering. Transient emotional episodes modulate the neural circuits of pain and empathy. *Neuropsychologia*, 116, Part A, 99-116. doi: 10.1016/j.neuropsychologia.2017.12.027

Schobert A.K., **Corradi-Dell'Acqua C.**, Fröhholz S., van der Zwaag W., & Vuilleumier P. (2018) Functional Organization of Face Processing in the Human Superior Temporal Sulcus: A 7T High-Resolution fMRI Study. *Social Cognitive and Affective Neuroscience*, 13, 102-113. doi: 10.1093/scan/nsx119

Domínguez-Borràs J., Rieger S.W., **Corradi-Dell'Acqua C.**, Neveu R., & Vuilleumier P. (2017) Fear spreading across senses: visual emotional events alter cortical responses to touch, audition, and vision. *Cerebral Cortex*, 27, 68–82. doi: 10.1093/cercor/bhw337

Mengotti P., **Corradi-Dell'Acqua C.**, Negri G. A. L., Ukmar M., Pasavento V., & Rumiati, R. I. (2013). Selective imitation impairments differentially interact with language processing. *Brain*, 136, 2602-2618. doi: 10.1093/brain/awt194

Koban L., **Corradi-Dell'Acqua C.**, & Vuilleumier P. (2013) Integration of Error Agency and Representation of Others' Pain in the Anterior Insula. *Journal of Cognitive Neuroscience*, 25, 258–272. doi: 10.1162/jocn\_a\_00324

Mengotti P., **Corradi-Dell'Acqua C.**, & Rumiati R.I. (2012) Imitation components in the human brain: An fMRI study. *NeuroImage*, 59, 1622–1630. doi: 10.1016/j.neuroimage.2011.09.004

Papeo L., **Corradi-Dell'Acqua C.**, & Rumiati R.I. (2011) “She” is not like “I”. The tie between language and action is in our imagination. *Journal of Cognitive Neuroscience*, 23, 3939-3948. doi: 10.1162/jocn\_a\_00075

Civai C., **Corradi-Dell'Acqua C.**, Gamer M., & Rumiati R. I. (2010) Are irrational reactions to unfairness truly emotionally-driven? Dissociated behavioral and emotional responses in the Ultimatum Game task. *Cognition*, 114, 89-95. doi: 10.1016/j.cognition.2009.09.001

Viviani P., Burkhard P., Catalano Chiuvé S., **Corradi-Dell'Acqua C.**, & Vindras P. (2009) Velocity control in Parkinson's disease: A quantitative analysis of isochrony in scribbling movements. *Experimental Brain Research*, 194, 259-283. doi: 10.1007/s00221-008-1695-z

Non peer-reviewed publications

Silvestrini, L., & **Corradi-Dell'Acqua, C.** (2021). The impact of pain on subsequent effort and cognitive performance. *PsyArXiv*. doi: 10.31234/osf.io/gwaup

**Corradi-Dell'Acqua C.**, Hofstetter C., Sharvit G., Hugli O., & Vuilleumier P. (2021). Healthcare experience disrupts representational similarity between one's and others' pain in anterior insula. *bioRxiv*, doi: 10.1101/2021.07.01.450687

Antico, L., & **Corradi-Dell'Acqua, C.** (2021). Far from the eyes, far from the heart. COVID-19 confinement dampened sensitivity to painful facial features. *PsyArXiv*. doi: 10.31234/osf.io/ewvp7

Loued-Khenissi L., & **Corradi-Dell'Acqua C.** (2020). Assessing Self-Other Distinctions Through Decision-making Under Risk in The Era of Covid-19. *PsyArXiv*. doi: 110.31234/osf.io/qrbza

**Corradi-Dell'Acqua C.**, & Rumiati R. I. (2007). What Does the Brain Know About The Body? Evidence of Dissociable Representations. In: F. Santoianni and C. Sabatano (Eds.), *Brain Development In Learning Environments: Embodied Cognition and Perceptual Learning* (pp. 50-64). Newcastle, UK: Cambridge Scholar Publishing.