

*Research curriculum vitae*  
(not mentioning teaching, supervision, and media)

**Academic affiliations**

Prof. David Sander

1) Director of the Swiss Center for Affective Sciences  
Campus Biotech - University of Geneva  
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2) Director of the Laboratory for the study of Emotion Elicitation and Expression (E3 Lab)  
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**Main academic positions and studies**

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|------------|--|
| Since 2013 | Full Professor, Chair for “Emotion psychology”, Department of Psychology, University of Geneva   |
| 2009-2013  | Associate Professor, Department of Psychology, University of Geneva.   |
| 2002-2009  | Maître-Assistant and then Maître d’Enseignement et de Recherche, Department of Psychology, University of Geneva.   |
| 1999-2002  | Research and teaching assistant at the Laboratory for the study of cognitive mechanisms, Institute for Psychology, University Lyon 2, and at the Institute for Cognitive Sciences, France. |
| 1999-2002  | Ph. D. in Cognitive Sciences, University Lyon 2, France.   |
| 1992-1999  | Bachelor in Applied Mathematics, and in Psychology. Master in Cognitive Sciences.  |

**Distinctions and awards**

David Sander was the recipient of the National Latsis prize 2013

**Main academic responsibilities**

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|------------|--|
| Since 2013 | Director of the Swiss Center for Affective Sciences / Centre Interfacultaire en Sciences Affectives, Campus Biotech, University of Geneva.   |
| Since 2013 | Co-Director of the Brain and Behaviour Laboratory at the University of Geneva.   |
| Since 2009 | Director of the Laboratory for the study of Emotion Elicitation and Expression, Department of Psychology, FPSE, University of Geneva.  |
| 2013-2018  | Director of the Swiss National Centre of Competence in Research (NCCR) for the Affective Sciences « <i>Affective Sciences: Emotion in Individual Behavior and Social Processes</i> », University of Geneva.      |
| 2011-2013  | Vice-director of the Swiss National Centre of Competence in Research (NCCR) for the Affective Sciences « <i>Affective Sciences: Emotion in Individual Behavior and Social Processes</i> », University of Geneva. |

**Editorial board:**

Associate Editor of the journal *Cognition & Emotion* (2010-2013)

Consulting Editor of the journal *Emotion*

**Societies and Conference organization:**

Société Académique de Genève (vice-president)

International Society for Research on Emotion (member of the Executive Committee. 2011-2013)

Program Chair and Organizing Committee Chair of the Meeting of the International Society for Research on Emotion, Geneva, July 8-10 2015.

**Main research grants as Principal Investigator (PI)**

- 2014-2018 PI for the project “*EmOdor - Investigating odor-elicited emotions*”, Agreement with Firmenich SA (Co-investigator: Prof. Patrik Vuilleumier). (CHF 1'360'000)
- 2014-2017 PI for the project “*Affective Sciences and Energy Efficiency*”, Swiss Competence Center for Research in Energy, Society and Transition CREST (CHF 348'000)
- 2013-2017 PI for the project “*Affective relevance: determinants, nature, and effects*”, NCCR Affective Sciences (Swiss National Science Foundation and University of Geneva). (CHF 365'000)
- 2013-2016 PI for the project “*The emotional brain and its goals: Neurocognitive mechanisms underlying the processing of goal-relevance*”; subside 100014\_143398 / 1 from the Swiss National Science Foundation (Co-investigator: Dr. Tobias Brosch). (CHF 236'120)
- 2013-2016 PI for the project “*Components of reward and variations in sexual desire*” from the Fonds Universitaire Maurice Chalumeau (Co-investigator: Dr. Francesco Bianchi-Demicheli). (CHF 246'630)
- 2012-2014 PI for the project “*Applying affective sciences to virtual reality: The study of how scents can enhance emotional experiences in immersive virtual worlds*” subside from the Swiss National Science Foundation. (CHF 210'565)
- 2011-2013 PI for the project “*Affective relevance*”, NCCR Affective Sciences (Swiss National Science Foundation and University of Geneva). (CHF 200'000)
- 2009-2014 PI for the project “*EmOdor - Investigating odor-elicited emotions*”, Agreement with Firmenich SA (Co-investigator: Prof. Patrik Vuilleumier). (CHF 1'440'889)
- 2009-2011 PI for the project “*The neuro-cognitive architecture of emotion elicitation and differentiation*”, NCCR Affective Sciences (Co-investigator: Prof. Klaus Scherer). (CHF 200'000)
- 2008-2009 PI for the project “*Cognitive Neuroscience of Appraisal Processes in Emotion II*”; subside 105314\_118267 / 1 from the Swiss National Science Foundation (Co-investigator: Prof. Patrik Vuilleumier). (CHF 213'237)
- 2005-2007 PI for the project “*Cognitive Neuroscience of Appraisal Processes in Emotion*”; subside 105311-108187 / 1 from the Swiss National Science Foundation (co-investigator: Prof. Patrik Vuilleumier). (CHF 197'069)

**As Director of the NCCR Affective Sciences**

- 2013-2017 Director of the National Centre of Competence in Research (NCCR) for the Affective Sciences “*Affective Sciences: Emotion in Individual Behavior and Social Processes*”, subside 51NF40-104897 from the Swiss National Science Foundation. (CHF 7'000'000)

## Publications

***A webpage containing the complete publication list can be found at:***  
<http://cms.unige.ch/fapse/EmotionLab/publications/>

### ***Peer-reviewed articles (original publications)***

#### ***2017 and In press***

Audrin, C., Brosch, T., Chanal, J., & Sander, D. (2017). When symbolism overtakes quality: Materialists consumers disregard product quality when faced with luxury brands. *Journal of Economic Psychology*, *61*, 155-123.

Audrin, C., Ceravolo, L., Chanal, J., Brosch, T., & Sander, D. (2017). Associating a product with a luxury brand label modulates neural reward processing and favors choices in materialistic individuals. *Scientific Reports* *7*, Article number: 16176. doi:10.1038/s41598-017-16544-6

Baer, T., Coppin, G., Porcherot, C., Cayeux, I., Sander, D., & Delplanque, S. (in press). “Dior, J’adore”: Contextual information of luxury impacts emotional responses to perfumes. *Food Quality and Preference*.

Debanné, M., Badoud, D., Sander, D., Eliez, S., Luyten, P., Vticka, P. (2017). Brain activity underlying negative self- and other-perception in adolescents: The role of attachment-derived self-representations. *Cognitive, Affective and Behavioral Neuroscience*, *17*(31), 554-576.

Denervaud, S., Franchini, M., Gentaz, E., & Sander, D. (2017). Les émotions au cœur des processus d’apprentissage. *Revue suisse de pédagogie spécialisée*, *4*, 20-25.

Hommel, B., Moors, A. Sander, D., & Deonna, J. (2017). Emotion Meets Action: Towards an Integration of Research and Theory. *Emotion Review*, *9*(4), 295-298.

Kalisch, R., Baker, D.G., Basten, U., Boks, M.P., Bonanno, G.A., Brummelman, B., Chmitorz, A., Fernández, G., Fiebach, C.J., Galatzer-Levy, I., Geuze, E., Groppa, S., Helmreich, I., Hendler, T., Hermans, E.J., Jovanovic, T., Kubiak, T., Lieb, K., Lutz, B., Müller, M.B., Murray, R.J., Nievergelt, C.M., Reif, A., Roelofs, K., Rutten B.P.F., Sander, D., Schick, A., Tüscher, O., Van Diest, I., van Harmelen, A.-L., Veer, I.M., Vermetten, E., H. Vinkers, C.H., Wager, T.D., Walter, H., Wessa, M., Wibrals, M., & Kleim, B. (2017). The resilience framework as a strategy to combat stress-related disorders: current challenges and future perspectives. *Nature Human Behaviour*, *1*, 784–790. doi:10.1038/s41562-017-0200-8

Montagrin, A., & Sander, D. (in press). Emotional memory: from affective relevance to arousal. [commentary]. *Behavioral and Brain Sciences*.

Mumenthaler, C., Sander, D., & Manstead, A. (in press). Emotion Recognition in Simulated Social Interactions. *IEEE Transactions on Affective Computing*.

Sennwald, V., Pool, E., & Sander, D. (2017). Considering the influence of the Pavlovian system on behavior: Appraisal and value representation. *Psychological Inquiry*, *28*(1), 52-55.

Shuman, V., Clark-Polner, E., Meuleman, B., Sander, D., & Scherer, K.R. (2017). Emotion perception from a componential perspective. *Cognition & Emotion*, *31*(1), 47-56.

#### ***2016***

Coppin, G., Pool, E., Delplanque, S., Oud, B., Margot, C., Sander, D., & Van Bavel, J. (2016). Swiss identity smells like chocolate: Social identity shapes olfactory judgments. *Scientific Reports*, *6*, 34979. doi: 10.1038/srep34979

Franchini, M., Schaer, M., Glaser, B., Kott-Radecka, M., Debanné, M., Schneider, M., Menghetti, S., Sander, D., & Eliez, S. (2016). Visual processing of emotional dynamic faces in 22q11.2 deletion syndrome. *Journal of Intellectual Disability Research*, *60*(4), 308–321.

Ferdenzi, C., Delplanque, S., Atanassova, R., & Sander, D. (2016). Androstadienone's influence on the perception of facial and vocal attractiveness is not sex specific. *Psychoneuroendocrinology*, *66*, 166–175.

Klimecki, O.M., Vuilleumier, P., & Sander, D. (2016). The Impact of Emotions and Empathy-Related Traits on Punishment Behavior: Introduction and Validation of the Inequality Game. *PLoS ONE* 11(3): e0151028. doi:10.1371/journal.pone.0151028.

Murray, R.J., Gerrans, P., Brosch, T., Sander, D. (2016). When at rest: 'event-free' active inference may give rise to implicit self-models of coping potential [commentary]. *Behavioral and Brain Sciences*, 38, e114.

Pool, E.R., Brosch, T., Delplanque, S., & Sander, D. (2016). Attentional bias for positive emotional stimuli: A meta-analytic investigation. *Psychological Bulletin*, 142, 79-106.

Pool, E.R., Sennwald, V., Delplanque, S., Brosch, T., & Sander, D. (2016). Measuring wanting and liking from animals to humans: A systematic review. *Neuroscience and Biobehavioral Reviews*, 63, 124-142.

Sennwald, V., Pool, E. R., Brosch, T., Delplanque, S., Bianchi-Demicheli, F., & Sander, D. (2016). Emotional attention for erotic stimuli: Cognitive and brain mechanisms. *Journal of Comparative Neurology*, 524(8), 1668–1675.

### 2015

Burger, P., Bezençon, V., Bornemann, B., Brosch, T., Carabias-Hütter, V., Farsi, M., Hille, S. L., Moser, C., Ramseier, C., Samuel, R., Sander, D., Schmidt, S., Sohre, A., & Volland, B. (2015). Advances in understanding energy consumption behavior and the governance of its change - outline of an integrated framework. *Frontiers in Energy Research*, 3: 29.

Cova, F., Deonna, J. & Sander, D. (2015). *Moral Emotions. Topoi*, 34(2), 397-400.

Delplanque, S., Coppin, G., Bloesch, L., Cayeux, I., Porcherot, C., & Sander, D. (2015). Mere exposure effect depends on an odour's initial pleasantness. *Frontiers in Psychology*, 6: 920.

Ferdenzi, C., Delplanque S., Vorontsova-Wenger O., Pool E.R., Bianchi-Demicheli F., & Sander D. (2015). Perception of men's beauty and attractiveness by women with low sexual desire. *Journal of Sexual Medicine*, 12, 946–955.

Ferdenzi, C., Delplanque, S., Mehu-Blantar, I., Da Paz Cabral, K., Domingos Felicio, M., Sander, D. (2015). The GENEVA Faces And Voices (GEFAV) database. *Behavior research Methods*, 47, 1120-1121.

Mumenthaler, C., & Sander, D. (2015). Automatic integration of social information in emotion recognition. *Journal of Experimental Psychology: General*, 144, 392–399

Pichon, A., Coppin, G., Cayeux, I., Porcherot, C., Sander, D., & Delplanque, S. (2015). Sensitivity of physiological emotional measures to odors depends on the product and the pleasantness range used. *Frontiers in Psychology*. doi: 10.3389/fpsyg.2015.01821

Pool, E. R., Brosch, T., Delplanque, S., & Sander, D. (2015). Stress increases cue-triggered "Wanting" for sweet reward in humans. *Journal of Experimental Psychology: Animal Learning and Cognition*, 41(2), 128-136.

Pool, E.R., Delplanque, S., Coppin, G., & Sander, D. (2015). Is comfort food really comforting? Mechanisms underlying stress-induced eating. *Food Research International*, 76, 207-215.

Stussi, Y., Brosch, T., & Sander, D. (2015). Learning to fear depends on emotion and gaze interaction: The role of self-relevance in fear learning. *Biological Psychology*, 109, 232-238.

### 2014

Brosch, T., Patel, M. K., & Sander, D. (2014). Affective influences on energy-related decisions and behaviors. *Frontiers in Energy Research*, 2, 11.

Brosch, T., & Sander, D. (2014). Appraising value: The role of universal core values and emotions in decision-making. *Cortex*, 59, 203-205.

Coppin, G., Delplanque S., Bernard C., Cekic S., Porcherot C., Cayeux I., & Sander, D. (2014). Choice Both Affects and Reflects Preferences. *Quarterly Journal of Experimental Psychology*. 67(7), 1415-1427.

Debbané, M., Vrticka, P., Lazouret, M., Badoud, D., Sander, D., & Eliez, S. (2014). Self-reflection and positive schizotypy in the adolescent brain. *Schizophrenia Research*, 152(1), 65-72.

- Frühholz, S., Sander, D., & Grandjean, D. (2014). Functional neuroimaging of human vocalizations and affective speech [commentary]. *Behavioral and Brain Sciences*, 37(6), 554-555.
- Gerrans, P., & Sander, D. (2014). Feeling the future: Implicit prospection. *Biology and Philosophy*, 29, 699–710.
- Ischer, J. M., Baron N., Mermoud C., Cayeux I., Porcherot C., Sander D., & Delplanque, S. (2014). How incorporation of scents could enhance immersive virtual experiences. *Frontiers in Psychology*.
- Lalot, F., Delplanque, S., & Sander, D. (2014). Mindful regulation of positive emotions: a comparison with reappraisal and expressive suppression. *Frontiers in Emotion Science*, 5:243.
- Murray, R.J., Brosch, T., & Sander, D. (2014). The functional profile of the human amygdala in affective processing: insights from intracranial recordings. *Cortex*, 60, 10–33.
- Pool, E. R., Brosch, T., Delplanque, S., & Sander, D. (2014). Where is the chocolate? Rapid spatial orienting toward stimuli associated with primary rewards. *Cognition*, 130(3), 348-359.
- Pool, E. R., Delplanque, S., Porcherot, C., Jenkins, T., Cayeux, I., & Sander, D. (2014). Sweet reward increases implicit discrimination of similar odors. *Frontiers in Behavioral Neuroscience*, 8.
- Vrticka, P., Bediou, B., Lordier, L., & Sander, D. (2014). Human amygdala response to dynamic facial expressions of positive and negative surprise. *Emotion*, 14(1), 161-169.
- Vrticka, P., Sander, D., Anderson, B., Badoud, D., Eliez, S., Debbane, M. (2014). Social Feedback Processing from Early to Late Adolescence: Influence of Sex, Age, and Attachment Style. *Brain and Behavior*, 4(5), 703–720.

### 2013

- Bombardi, D., Schmid Mast, M., Brosch, T., & Sander, D. (2013). How interpersonal power affects empathic accuracy: Differential roles of mentalizing versus mirroring? *Frontiers in Human Neuroscience*, 7, 375.
- Brosch, T., & Sander, D. (2013). The appraising brain: Towards a neuro-cognitive model of appraisal processes in emotion. *Emotion Review*, 5, 163-168.
- Brosch, T., & Sander, D. (2013). Neurocognitive mechanisms underlying value-based decision-making: From core values to economic value. *Frontiers in Human Neuroscience*, 7, 398.
- Brosch, T., Scherer, K. R., Grandjean, D., & Sander, D. (2013). The impact of emotion on perception, attention, memory, and decision-making. *Swiss Med Wkly*. 2013;143:w13786.
- Clément, F., Bernard, S., Grandjean, D., & Sander, D. (2013). Emotional Expression and Vocabulary Learning in Adults and Children. *Cognition and Emotion*. 27(3):539-48
- Cova, F., Deonna, J. & Sander, D. (2013). The emotional shape of our moral life: anger-related emotions and mutualistic anthropology [commentary]. *Behavioral and Brain Sciences*, 36(1), 86-87.
- Ferdenzi, C., Delplanque, S., Barbosa, P., Court, K., Guinard, J. X., Guo, T., Roberts, S. C., Schirmer, A., Porcherot, C., Cayeux, I., Sander, D., & Grandjean, D. (2013). Affective semantic space of scents. Towards a universal scale to measure self-reported odor-related feelings. *Food Quality and Preference*, 30, 128–138.
- Ferdenzi, C., Patel S., Mehu-Blantar I., Khidasheli M., Sander D., & Delplanque S. (2013). Voice attractiveness: Influence of stimulus duration and type. *Behav Res*, 45, 405–413.
- Montagrin, A., Brosch, T., & Sander, D. (2013). Goal conduciveness as a key determinant of memory facilitation. *Emotion*, 13(4), 622-628.
- Shuman, V., Sander, D., & Scherer, K. (2013). Levels of valence. *Frontiers in emotion science*, (4)261, 1-10.
- Vrticka, P., Sander, D., & Vuilleumier, P (2013). Lateralized Interactive Social Content and Valence Processing within the Human Amygdala. *Frontiers in Human Neuroscience*, 6, 1-12.
- Vrticka, P., Simioni, S., Fornari, E., Schlupe, M., Vuilleumier, P., & Sander, D. (2013). Neural substrates of social emotion regulation: a fMRI study on imitation and expressive suppression to dynamic facial signals. *Frontiers in emotion science*, (4)95, 1-10. doi: 10.3389/fpsyg.2013.00095

**2012**

- Bediou, B., Koban, L., Rosset, S., Pourtois, G., & Sander, D. (2012). Delayed monitoring of accuracy errors compared to commission errors in ACC. *Neuroimage*, 60(4), 925–1936.
- Bediou B., Sacharin V., Hill C., Sander D., & Scherer K.R. (2012). Sharing the fruits of labor: Flexibility of fairness norms in an Ultimatum Game with joint production. *Social Justice Research*, 25(1), 25-40.
- Brosch, T., Coppin, G., Schwartz, S., & Sander, D. (2012). The importance of actions and the worth of an object: Dissociable neural systems representing core values and economic values. *Social Cognitive and Affective Neuroscience*, 7, 497-505.
- Coppin, G., Delplanque, S., Porcherot, C., Cayeux, I., & Sander, D. (2012). When flexibility is stable: Implicit long-term shaping of olfactory preferences. *PLoS ONE* 7(6): e37857.
- Delplanque, S., Chrea, C., Grandjean, D., Ferdenzi, C., Cayeux, I., Porcherot, C., Le Calvé, B., Sander, D., & Scherer, K. R. (2012). How to map the affective semantic space of scents. *Cognition and Emotion*. 26(5), 885-898.
- Mumenthaler, C., & Sander, D. (2012). Social Appraisal Influences Recognition of Emotions. *Journal of Personality and Social Psychology*, 102(6), 1118-1135.
- Nahum, L., Barcellona-Lehmann, S., Morand, S., Sander, D., & Schnider, A. (2012). The intrinsic emotional relevance of outcomes and prediction error influence early processing of subsequent stimulus during reversal learning. *Journal of Psychophysiology*, 26(1), 42-50.
- Sacharin, V., Sander D., & Scherer K. R. (2012). The Perception of Changing Emotion Expressions. *Cognition & Emotion*. 26(7), 1273-1300.
- Sander, D. (2012). The role of the amygdala in the appraising brain [commentary]. *Behavioral and Brain Sciences*, 35(03), 161-161.
- Vrtička, P., Bondolfi, G., Sander, D., & Vuilleumier, P. (2012). The neural substrates of social emotion perception and regulation are modulated by adult attachment style. *Social Neuroscience*, 7(5), 473-493.
- Vrtička, P., Sander, D., & Vuilleumier, P. (2012). Influence of Adult Attachment Style on the Perception of Social and Nonsocial Emotional Scenes. *Journal of Social and Personal Relationships*, 9(4) 530–544.

**2011**

- Aue, T., Cuny, C., Sander, D., & Grandjean, D. (2011). Peripheral responses to attended and unattended angry prosody: A dichotic listening paradigm. *Psychophysiology*, 48, 385-392.
- Bediou, B., Mohri, C., Lack, J., & Sander, D. (2011). Effects of outcomes and random arbitration on emotions in a competitive gambling task. *Frontiers in Emotion Science*, 2:223, 1-10.
- Brosch, T., Coppin, G., Scherer, K.R., Schwartz, S., & Sander, D. (2011). Generating value(s): Psychological value hierarchies reflect context dependent sensitivity of the reward system. *Social Neuroscience*, 6, 198-208.
- Brosch, T., Pourtois, G., Sander, D., & Vuilleumier, P. (2011). Additive effects of emotional, endogenous, and exogenous attention: Behavioral and electrophysiological evidence. *Neuropsychologia*, 49, 1779-1787.
- Ferdenzi, C., Schirmer, A., Roberts, S. C., Delplanque, S., Porcherot, C., Cayeux I., Velazco, M. I., Sander, D., Scherer, K. R., & Grandjean, D. (2011). Affective dimensions of odor perception: A comparison between Swiss, British, and Singaporean populations. *Emotion*, 11(5), 1168-1181.
- Jarlier, S., Grandjean, D., Delplanque, S., N'Diaye, K., Cayeux, I., Velazco, M.I., Sander, D., Vuilleumier, P., & Scherer, K.R. (2011). Thermal Analysis of Facial Muscles Contractions. *IEEE Transactions on Affective Computing*, 2(1), 1-8.
- Nahum, L., Simon, S. R., Sander, D., Lazeyras, F., & Schnider, A. (2011). Neural response to the behaviorally relevant absence of anticipated outcomes and the presentation of potentially harmful stimuli: A human fMRI study. *Cortex*, 47(2):191-201.
- Vrtička, P., Sander, D., & Vuilleumier, P. (2011). Effects of Emotion Regulation Strategy on Brain Responses to the Valence and Social Content of Visual Scenes. *Neuropsychologia*. 49(5), 1067-1082.

**2010**

Brosch, T., Pourtois, G., & Sander, D. (2010). The perception and categorization of emotional stimuli: A review. *Cognition and Emotion*, 24(3), 377-400.

Conty, L., Grèzes, J., & Sander, D. (2010). How does perceiving eye direction modulate emotion recognition? [commentary]. *Behavioral and Brain Sciences*, 33, 443-444.

Coppin, G., Delplanque, S., Cayeux, I., Porcherot, C., and Sander, D. (2010). I'm no longer torn after choice: How explicit choices implicitly shape preferences of odors. *Psychological Science*, 21, 489-493.

Cristinzio, C., N'Diaye, K., Seeck, M., Vuilleumier, P., & Sander, D. (2010). Integration of gaze direction and facial expression in patients with unilateral amygdala damage. *Brain*, 133, 248-261.

Nahum, L., Simon, S. R., Sander, D., Lazeyras, F., & Schnider, A. (2010). Neural response to the behaviorally relevant absence of anticipated outcomes and the presentation of potentially harmful stimuli: A human fMRI study. *Cortex*.

Roesch, E. B., Sander, D., Mumenthaler, C., Kerzel, D., & Scherer, K. R. (2010). Psychophysics of emotion: The QUEST for emotion perception. *Journal of Vision*, 10(3):4, 1-9.

Roesch, E.B, Tamarit, L., Reveret, L., Grandjean, D., Sander D., & Scherer K.R. (2010). FACSGen: A tool to synthesize realistic, static and dynamic emotional facial expressions based on facial action units. *Journal of Nonverbal Behavior*, 35(1), 1-16.

**2009**

Bach, D. R., Herdener, M., Grandjean, D., Sander, D., Seifritz, E., & Strik, W. K. (2009). Altered lateralisation of emotional prosody processing in schizophrenia. *Schizophrenia Research*, 110, 180-187.

Brosch, T., Grandjean, D., Sander, D., & Scherer, K. R. (2009). Cross-modal emotional attention: Affective prosody modulates early sensory stages of visual processing in the cross-modal dot probe task. *Journal of Cognitive Neuroscience*, 21(9), 1670-1679.

Chrea, C., Grandjean, D., Delplanque, S., Cayeux, I., Le Calvé, B., Aymard, L., Velazco, M. I., Sander, D., Scherer, K. R. (2009). Mapping the semantic space for the subjective experience of emotional responses to odors. *Chemical Senses*, 34(1), 49-62.

Delplanque, S., Grandjean, D., Chrea, A., Coppin, G., Aymard, L., Cayeux, I., Le Calvé, B., Margot, C., Velazco, M. I., Sander, D., & Scherer, K. R. (2009). Sequential unfolding of novelty and pleasantness appraisals of odors: Evidence from facial electromyography and autonomic reactions. *Emotion*, 9(3), 316-328.

N'Diaye, K., Sander, D., & Vuilleumier, P. (2009). Self-relevance processing in the amygdala: gaze direction, facial expression, and emotion intensity. *Emotion*, 9(6), 798-806.

Vrticka, P., Andersson, F., Sander, D., & Vuilleumier, P. (2009). Memory for friends or foes: The social context of past encounters with faces modulates their subsequent neural traces in the brain. *Social Neuroscience*, 5, 384-401.

**2008**

Bach, D. R., Grandjean, D., Sander, D., Herdener, M., Strik, W. K. & Seifritz, E. (2008). The effect of appraisal level on processing of emotional prosody in meaningless speech. *NeuroImage*, 42, 919-927.

Brosch, T., Grandjean, D., Sander, D., & Scherer, K. R. (2008). Behold the voice of wrath: Cross-modal modulation of visual attention by anger prosody. *Cognition*, 106, 1497-1503.

Brosch, T., Sander, D., Pourtois, G., & Scherer, K. R. (2008). Beyond fear: Rapid spatial orienting towards emotional positive stimuli. *Psychological Science*, 19(4), 362-370.

Delplanque, S., Grandjean, D., Chrea, C., Aymard, L., Cayeux, I., Le Calvé, B., Velazco, M. I., Scherer, K. R., & Sander, D. (2008). Emotional processing of odors: Evidence for a non-linear relation between pleasantness and familiarity evaluations. *Chemical Senses*, 33, 469-479.

Grandjean, D., Sander, D., & Scherer, K. R. (2008). Conscious emotional experience emerges as a function of multilevel, appraisal-driven response synchronization. *Consciousness & Cognition*, 17(2), 484-495.

Grandjean, D., Sander, D., Lucas, N., Scherer, K. R., & Vuilleumier, P. (2008). Effects of emotional prosody on auditory extinction for voices in patients with spatial neglect. *Neuropsychologia*, 46(2), 487-496.

Sander, D. (2008). Basic tastes and basic emotions: Basic problems, and perspectives for a nonbasic solution [commentary]. *Behavioral and Brain Sciences*, 31(1), 88.

Vrticka, P., Andersson, F., Grandjean, D., Sander, D., & Vuilleumier, P. (2008). Individual attachment style modulates human amygdala and striatum activation during social appraisal. *PLOS One*, 3(8), 1-11.

Vuilleumier, P., Sander, D. (2008). Trust and valence processing in the amygdala. *Social Cognitive and Affective Neuroscience*, 3(4), 299-302.

### **2007**

Brosch, T., Sander, D., & Scherer, K. R. (2007). That baby caught my eye... attention capture by infant faces. *Emotion*, 7(3), 685-689.

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