

Brief 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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<http://www.affective-sciences.org>



2) Director of the Laboratory for the study of Emotion Elicitation and Expression (E3 Lab)

Department of Psychology

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Contact

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Main academic positions, and University studies

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|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Since 2013 | Full Professor, Chair for “Psychology of Emotion,” Department of Psychology, FPSE, University of Geneva |
| 2009-2013 | Associate Professor, Department of Psychology, FPSE, University of Geneva. |
| 2005-2009 | Assistant Professor (“Maître d’Enseignement et de Recherche”), Department of Psychology, FPSE, University of Geneva. |
| 2002-2005 | Maître-Assistant, Department of Psychology, FPSE, University of Geneva. |
| 1999-2002 | Ph. D. in Cognitive Sciences, University Lyon 2, France. 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. |
| 1997-1999 | Master in Cognitive Sciences (“Maîtrise et DEA”), University Lyon 2, France. |
| 1995-1997 | Bachelor (“DEUG”) in Psychology, Université René Descartes, Paris, France; and Bachelor (“DEUG”) in Applied Mathematics, Université René Descartes, Paris, France. |

Main 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 « *Affective Sciences: Emotion in Individual Behavior and Social Processes* », University of Geneva.

Editorial board:

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

Consulting Editor of the journal *Emotion*

Member of boards:

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

Fonds Universitaire Maurice Chalumeau (member of the Committee, 2012-2018)

The Swiss Stress Network (Member of the executive committee since 2019)

NeuroLéman Network (Member of the steering committee since 2018)

The Geneva Centre for Philanthropy, University of Geneva (Member of the Strategic Committee since 2017)

Fondation Archives Jean Piaget (Membre du Conseil de Fondation depuis 2020)

Fonds Général de l'Université de Genève (Membre du Conseil de Fondation depuis 2020)

Société Académique de Genève (SACAD, Vice-president since 2017)

Conferences and summer schools organization

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

Member of the Scientific and Organizing Committees of the International Summer School in Affective Sciences for all editions (2009, 2010, 2011, 2012, 2013, 2014, 2016, 2018).

Main research grants as Principal Investigator (PI)

- 2020-2022 PI for the project “*Socio-emotional competences and academic performance in adolescents: a comparative evaluation of mindfulness meditation, improvisation theatre and board games interventions at school*”. Subside no 100019_188966 / 1 from the Swiss National Science Foundation (CHF 497'143).
- 2019-2022 PI for the project “*EmOdor - Investigating odor-elicited emotions.*” Agreement with Firmenich SA (Co-investigator: Prof. Patrik Vuilleumier). (CHF 1'502'000)
- 2019-2021 PI for the project “*Beyond Charity: the varieties of value-driven emotions in philanthropic behavior.*” The Geneva Centre for Philanthropy (Co-investigator: Prof. Florian Cova). (CHF 160'000)
- 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)
- 2014-2018 PI for the project “*EmOdor - Investigating odor-elicited emotions.*”, Agreement with Firmenich SA (Co-investigator: Prof. Patrik Vuilleumier). (CHF 1'360'000)
- 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)

Research grant as Director of the NCCR Affective Sciences

- 2013-2017 Director of the National Centre of Competence in Research (NCCR) “*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 updated publication list can be found at:

<http://www.unige.ch/fapse/e3lab/publications/>

Peer-reviewed articles

2021 and In press

Cheval, B., Maltagliati, S., Sieber, S., Beran, D., Chalabaev, A., Sander, D., Cullati, S., & Boisgontier, M. P. (in press). Why are individuals with diabetes less active? The mediating role of physical, emotional, and cognitive factors. *Annals of Behavioral Medicine*.

Cheval, B., Sivaramakrishnan, H., Maltagliati, S., Fessler, L., Forestier, C., Sarrazin, P., Orsholits, D., Chalabaev, A., Sander, D., Ntoumanis, N., & Boisgontier, M. P. (in press). Relationships Between Changes in Self-Reported Physical Activity, Sedentary behaviour and Health During the Coronavirus (COVID-19) Pandemic in France and Switzerland. *Journal of Sports Sciences*.

Denervaud, S., Hess, A., Sander, D., & Pourtois, G. (in press). Children's automatic evaluation of self-generated actions is different from adults. *Developmental Science*.

Delplanque, S., & Sander, D. (in press). A fascinating but risky case of reverse inference: from measures to emotions! *Food Quality and Preference*.

Sander, D., & Delplanque, S. (in press). Unconscious emotional processing. *Food Quality and Preference*.

2020

Carlson, H., Leitão, J., Delplanque, S., Cayeux, I., Sander, D., & Vuilleumier, P. (2020). Sustained Effects of Valenced Smells on Resting State Brain Activity. *Cortex*. 132, 386-403.
<https://doi.org/10.1016/j.cortex.2020.06.017>

Cereghetti, D., Chillà, C., Porcherot, C., Sander, D., Cayeux, I., & Delplanque, S. (2020). LikeWant: A new methodology to measure implicit wanting for flavors and fragrances. *Food Quality and Preference*. 80, 103829.

Cheval, B. Daou, M., Cabra, D., Bacelar, M. F. B., Parma, J. O., Forestier, C., Orsholits, D., Sander, D., Boisgontier, M. P., & Miller, M. W. (2020). Higher inhibitory control is required to escape the innate attraction

- to effort minimization. *Psychology of Sport & Exercise*, 51, 101781, <https://doi.org/10.1016/j.psychsport.2020.101781>
- Cheval, B., Miller, M. W., Orsholits, D., Berry, T., Sander, D., & Boisgontier, M. P. (2020). Physically active individuals look for more: An eye-tracking study of attentional bias. *Psychophysiology*, 57(6), e13582.
- Dell'Angela, L., Zaharia, A., Lobel, A., Begara, O., Sander, D., & Samson, A. (2020). Board Games on Emotional Competences for School-Age Children. *Games for Health Journal: Research, Development, and Clinical Applications*, 9(3), 187-196.
- Denervaud, S., Fornari, E., Yang, X.-F., Hagmann, P., Immordino-Yang, M. H., & Sander, D., (2020). An fMRI study of error-monitoring in Montessori and traditionally-schooled children. *An fMRI study of error monitoring in Montessori and traditionally-schooled children. npj Science of Learning*. 5, 11. <https://doi.org/10.1038/s41539-020-0069-6>
- Denervaud, S., Mumenthaler, C., Gentaz, E. & Sander, D. (2020). Emotion recognition development: Preliminary evidence for an effect of school pedagogical practices. *Learning and Instruction*. 69, 101353, <https://doi.org/10.1016/j.learninstruc.2020.101353>
- Guex, R., Méndez-Bértolo, C., Moratti, S., Strange, B., Spinelli, L., Murray, R., Sander, D. Seeck, M., Vuilleumier, P., & Domínguez-Borràs, J. (2020). Temporal dynamics of amygdala response to emotion- and action-relevance. *Scientific reports*, 10, 11138. <https://doi.org/10.1038/s41598-020-67862-1>
- Humbert-Droz, S., Garcia, A., Sennwald, V., Teroni, F., Deonna, J., Sander, D., & Cova, F. (2020). Lost in Intensity: Is there an empirical solution to the quasi-emotions debate? *Aesthetic Investigations*, 4(1), 54-76.
- Klimecki, O., Vétois, M., & Sander, D. (2020). The impact of empathy and perspective-taking instructions on proponents and opponents of immigration. *Humanities & Social Sciences Communications*, 7:91, <https://doi.org/10.1057/s41599-020-00581-0>
- Mumenthaler, C., Sander, D., & Manstead, A. (2020). Emotion Recognition in Simulated Social Interactions. *IEEE Transactions on Affective Computing*, 11(2), 308-312.
- Palama, A., Malsert, J., Grandjean, D., Sander, D., & Gentaz, E. (2020). The cross-modal transfer of emotional information from voices to faces in 5-, 8- and 10-year-old children and adults: An eye-tracking study. *Emotion. Advance online publication*. <https://doi.org/10.1037/emo0000758>
- Rafi, H., Bogacz, F., Sander, D., & Klimecki, O. (2020). Impact of Couple Conflict and Mediation on How Romantic Partners Are Seen: a fMRI study. *Cortex*, 130, 302-317.
- Reveillon, M., Lazeyras, F., Van Calster, L., Cojan, Y., Sander, D., Hüppi, P. S., & Barisnikov, K. (in press). Neural functional correlates of the impact of socio-emotional stimuli on performances on a flanker task in children aged 9- 11 years. *Neuropsychologia*, 145, 106747.
- Sander, D. (2020). Commentary: Collective epistemic emotions and individualized learning: a relational account. *Emotion Review*, 12(4), 230-232.
- Sennwald, V., Pool, E. R., Delplanque, S., Bianchi-Demicheli, F., & Sander, D. (2020). Outcome-specific and general Pavlovian-to-instrumental transfers involving sexual rewards. *Motivation Science*, 6(1), 79-83. <https://doi.org/10.1037/mot0000129>
- Stussi, Y., Pourtois, G., Olsson, A., & Sander, D. (2020). Learning biases to angry and happy faces during Pavlovian aversive conditioning. *Emotion. Advance online publication*. <https://doi.org/10.1037/emo0000733>
- Tarditi, C., Hahnel, U., Jeanmonod, N., Sander, D., & Brosch, T. (2020). Affective Dilemmas: The Impact of Trait Affect and State Emotion on Sustainable Consumption Decisions in a Social Dilemma Task. *Environment and Behavior*. 52(1), 33-59.
- Wuensch, L., Pool, E. R., & Sander, D. (2020). Individual differences in learning positive affective value. *Current Opinion in Behavioral Sciences*, 39, 19-26.

2019

- Cernadas Curotto, P., Halperin, E., Sander, D., & Klimecki-Lenz, O. M. (2019). Emotions in attacker-defender conflicts [commentary]. *Behavioral and Brain Sciences*, 42, e120.

Cheval, B., Rebar, A. L., Miller, M. W., Sieber, S., Orsholits, D., Baranyi, G., Courvoisier, D., Cullati, S., Sander, D., Chalabaev, A., & Boisgontier, M. P. (2019). Cognitive resources moderate the adverse impact of poor perceived neighborhood conditions on self-reported physical activity of older adults. *Preventive Medicine, 126*, 105741.

Chillà, C., Cereghetti, D., Cayeux, I., Porcherot, C., Delplanque, S., & Sander, D. (2019). Measuring wanting without asking: The Pavlovian-to-instrumental transfer paradigm under test. *Food Quality and Preference, 78*, 103720.

Montagrin, A., Martins-Klein, B., Sander, D., & Mather, M. (2019). Effects of hunger on emotional arousal responses and attention/memory biases. *Emotion*. Advance online publication. <https://doi.org/10.1037/emo0000680>

Pool, E. R., & Sander, D. (2019). Vulnerability to relapse under stress: insights from affective neuroscience. *Swiss Medical Weekly, 2019*;149:w20151

Pool, E. R., & Sander, D. (2019). Considerations for the study of “incentive hope” and sign-tracking behaviors in humans [commentary]. *Behavioral and Brain Sciences, 42*, e48.

Stussi, Y., Ferrero, A., Pourtois, G., & Sander, D. (2019). Achievement motivation modulates Pavlovian aversive conditioning to goal-relevant stimuli. *npj Science of Learning, 4*, 4.

2018

Audrin, C., Brosch, T., Sander, D., Chanal, J. (2018). More than meets the eye: the impact of materialism on information selection during luxury choices, *Frontiers in Behavioral Neuroscience, 12*, 1-12.

Baer, T., Coppin, G., Porcherot, C., Cayeux, I., Sander, D., & Delplanque, S. (2018). “Dior, J’adore”: Contextual information of luxury impacts emotional responses to perfumes. *Food Quality and Preference, 69*, 36-43.

Brosch, T., Stussi, Y., Desrichard, O., & Sander, D. (2018). Not my future? Core values and the neural representation of future events. *Cognitive, Affective, & Behavioral Neuroscience, 18*, 476-484.

Chatelain, G., Hille, S. L., Sander, D., Patel, M., Hahnel, U. J. J., & Brosch, T. (2018). Feel good, stay green: Positive affect promotes pro-environmental behaviors and mitigates compensatory “mental bookkeeping” effects. *Journal of Environmental Psychology, 56*, 3–11.

Cheval, B., Radel, R., Neva, J. L., Boyd, L. A., Swinnen, S. P., Sander, D., & Boisgontier, M. P. (2018). Behavioral and Neural Evidence of the Rewarding Value of Exercise Behaviors: A Systematic Review. *Sports Medicine, 48*, 1389- 1404.

Coppin, G., Sander, D., Golay, A., & Pataky, Z. (2018). Circuits de la récompense alimentaire chez les patients obèses [Food reward circuitry in obese patients]. *Revue médicale Suisse [Swiss medical Journal], 14*, 612-614.

Klimecki, O.M., Sander, D., Vuilleumier, P. (2018). Distinct brain areas involved in anger versus punishment during social interactions. *Scientific Reports, 8*, Article number: 10556.

Montagrin, A., Sterpenich, V., Brosch, T., Grandjean, D., Armony, J., Ceravolo, L., & Sander, D. (2018). Goal-Relevant Situations Facilitate Memory of Neutral Faces. *Cognitive, Affective, and Behavioral Neuroscience, 18*(6):1269-1282.

Pe-Curto, A., Deonna, J., & Sander, D. (2018). The tangled web of agency. [commentary]. *Behavioral and Brain Sciences, 41*, e57.

Sander, D., Grandjean, D., & Scherer, K. R. (2018). An appraisal-driven componential approach to the emotional brain. *Emotion Review, 10*(3), 219–231.

Sander, D., Grandjean, D., & Scherer, K. R. (2018). Authors Response: Brain networks, emotion components, and appraised relevance. *Emotion Review, 10*(3), 238–241.

Stussi, Y., Delplanque, S., Coraj, S., Pourtois, G., & Sander, D. (2018). Measuring Pavlovian appetitive conditioning in humans with the postauricular reflex. *Psychophysiology, 55*, e13073.

Stussi, Y., Pourtois, G., & Sander, D. (2018). Enhanced Pavlovian aversive conditioning to positive emotional stimuli. *Journal of Experimental Psychology: General, 147*, 905-923.

2017

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

Cova, F., Deonna, J., Sander, D. & Teroni, F. (2017). Two kinds of respect for two kinds of contempt: Why contempt can be both a sentiment and an emotion. *Behavioral and Brain Sciences*, *40*, e234.

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., Wibral, 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 (2017). doi:10.1038/s41562-017-0200-8

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.

Montagrin, A., & Sander, D. (2016). Emotional memory: from affective relevance to arousal. [commentary]. *Behavioral and Brain Sciences*.

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.

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