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Publikationen

Genetic variability in the oxytocin system is linked to individual differences in cuddliness among human infants
Grossmann, T. & Fairhurst, M., Jan. 2024, in: *Psychoneuroendocrinology*. 159, 106419.

You, me, and us: Maintaining self-other distinction enhances coordination, agency, and affect
Fairhurst, M. T., Tajadura-Jiménez, A., Keller, P. E. & Deroy, O., 15 Dez. 2023, in: *iScience*. 26, 12, 108253.

Social touch to build trust: A systematic review of technology-mediated and unmediated interactions
Valori, I., Jung, M. M. & Fairhurst, M. T., Dez. 2023, in: *Computers in human behavior*. 153, 108121.

Topography and relationship-specific social touching in individuals displaying body image disturbances
Bellard, A., Mathew, J., Sun, W., Denkow, L., Najm, A., Michael-Grigoriou, D., Trotter, P., & 3 weitereMcGlone, F., Fairhurst, M. & Cazzato, V., Dez. 2023, in: *Scientific reports*. 13, 1, 13198.

A functional framework for multisensory and interactive mediated social touch experiences
Fairhurst, M. & Valori, I., 12 Juni 2023, *IMXw '23: Proceedings of the 2023 ACM International Conference on Interactive Media Experiences Workshops*. Association for Computing Machinery (ACM), New York, (IMX: Interactive Media Experiences).

COLLABORATIVE CREATIVITY: Information-Driven Coordination Dynamics and Prediction in Movement and Musical Improvisation
Wiltshire, T. J. & Fairhurst, M. T., 1 Jan. 2023, *The Routledge International Handbook of Creative Cognition*. Taylor and Francis Inc., S. 624-645 22 S.

Sensing the body through sound
Tajadura-Jiménez, A., Fairhurst, M. T. & Deroy, O., 30 Nov. 2022, *The Routledge Handbook of Bodily Awareness*. Taylor and Francis Inc., S. 230-246 17 S.

Editorial: Interpersonal synchrony and network dynamics in social interaction
Müller, V., Fairhurst, M. T., van Vugt, F. T., Keller, P. E. & Müller, M. F., 29 Nov. 2022, in: *Frontiers in human neuroscience*. 16, 1095735.

Affective touch: a communication channel for social exchange
Fairhurst, M. T., McGlone, F. & Croy, I., Feb. 2022, in: *Current opinion in behavioral sciences*. 43, S. 54-61 8 S.

The role of C-tactile nerve fibers in human social development
Croy, I., Fairhurst, M. T. & McGlone, F., Feb. 2022, in: *Current opinion in behavioral sciences*. 43, S. 20-26 7 S.

The Virtual Touch Toolkit: An Interactive Media Mobile Application for Promoting Well-Being through Affective and Social Touch
Najm, A., Hadjipanayi, C., Michael-Grigoriou, D., Banakou, D., McGlone, F. & Fairhurst, M., 2022, *2022 International Conference on Interactive Media, Smart Systems and Emerging Technologies, IMET 2022 - Proceedings*. Institute of Electrical and Electronics Engineers Inc., S. 1-4 (International Conference on Interactive Media, Smart Systems and Emerging Technologies (IMET)).

Leadership and tempo perturbation affect coordination in medium-sized groups
Tunçgenç, B., Travers, E. & Fairhurst, M. T., Dez. 2021, in: *Scientific reports*. 11, 1, 4940.

Reciprocity and alignment: Quantifying coupling in dynamic interactions
Dumas, G. & Fairhurst, M. T., Mai 2021, in: Royal Society open science. 8, 5, 210138.

Being 'in sync' - Is interactional synchrony the key to understanding the social brain?
Schirmer, A., Fairhurst, M. & Hoehl, S., 1 Jan. 2021, in: Social cognitive and affective neuroscience. 16, 1-2, S. 1-4 4 S.

Interactional synchrony: Signals, mechanisms and benefits
Hoehl, S., Fairhurst, M. & Schirmer, A., 1 Jan. 2021, in: Social cognitive and affective neuroscience. 16, 1-2, S. 5-18 14 S.

Coordinating attention requires coordinated senses
Battich, L., Fairhurst, M. & Deroy, O., Dez. 2020, in: Psychonomic Bulletin and Review. 27, 6, S. 1126-1138 13 S.

Racial bias in face perception is sensitive to instructions but not introspection
Travers, E., Fairhurst, M. T. & Deroy, O., Aug. 2020, in: Consciousness and cognition. 83, 102952.

Modeling dynamic coupling in social interactions
Fairhurst, M. T., 2020, *Operator Theory: Advances and Applications*. Springer Science and Business Media B.V., S. 153-168 16 S. (Operator theory : advances and applications, Band 281).

Confidence is higher in touch than in vision in cases of perceptual ambiguity
Fairhurst, M. T., Travers, E., Hayward, V. & Deroy, O., 1 Dez. 2018, in: Scientific reports. 8, 1, 15604.

Spatial certainty: Feeling is the truth
Deroy, O. & Fairhurst, M., 1 Mai 2018, *Spatial Senses: Philosophy of Perception in an Age of Science*. Taylor and Francis Inc., S. 183-198 16 S.

Erratum: Author Correction: Contingent sounds change the mental representation of one's finger length (Scientific reports (2017) 7 1 (5748))
Tajadura-Jiménez, A., Vakali, M., Fairhurst, M. T., Mandrigin, A., Bianchi-Berthouze, N. & Deroy, O., 15 März 2018, Scientific reports, 8, 1, S. 4875 1 S.

Contingent sounds change the mental representation of one's finger length
Tajadura-Jiménez, A., Vakali, M., Fairhurst, M. T., Mandrigin, A., Bianchi-Berthouze, N. & Deroy, O., 1 Dez. 2017, in: Scientific reports. 7, 1, 5748.

Voice over: Audio-visual congruency and content recall in the gallery setting
Fairhurst, M. T., Scott, M. & Deroy, O., Juni 2017, in: PloS one. 12, 6, e0177622.

Testing the shared spatial representation of magnitude of auditory and visual intensity
Fairhurst, M. T. & Deroy, O., 1 März 2017, in: Journal of Experimental Psychology: Human Perception and Performance. 43, 3, S. 629-637 9 S.

Alignment in social interactions
Gallotti, M., Fairhurst, M. T. & Frith, C. D., 1 Feb. 2017, in: Consciousness and cognition. 48, S. 253-261 9 S.

Fostering Social Cognition through an Imitation- and Synchronization-Based Dance/Movement Intervention in Adults with Autism Spectrum Disorder: A Controlled Proof-of-Concept Study
Koehne, S., Behrends, A., Fairhurst, M. T. & Dziobek, I., 1 Jan. 2016, in: Psychotherapy and psychosomatics. 85, 1, S. 27-35 9 S.

Sensorimotor synchronization with tempo-changing auditory sequences: Modeling temporal adaptation and anticipation
Van Der Steen, M. C., Jacoby, N., Fairhurst, M. T. & Keller, P. E., 11 Nov. 2015, in: Brain research. 1626, S. 66-87 22 S.

As light as your footsteps: Altering walking sounds to change perceived body weight, emotional state and gait
Tajadura-Jiménez, A., Basia, M., Deroy, O., Fairhurst, M., Marquardt, N. & Bianchi-Berthouze, N., 18 Apr. 2015, *CHI 2015 - Proceedings of the 33rd Annual CHI Conference on Human Factors in Computing Systems: Crossings*. Association for Computing Machinery, S. 2943-2952 10 S. (Conference on Human Factors in Computing Systems : Proceedings of the ... annual conference on Human factors in computing systems).

Bouba-Kiki in the plate: combining crossmodal correspondences to change flavour experience
Fairhurst, M. T., Pritchard, D., Ospina, D. & Deroy, O., 2015, in: Flavour. 4, 5 S., 22.

Physiological and Behavioral Responses Reveal 9-Month-Old Infants' Sensitivity to Pleasant Touch
Fairhurst, M. T., Löken, L. & Grossmann, T., Mai 2014, in: Psychological Science. 25, 5, S. 1124-1131 8 S.

Segregation and integration of auditory streams when listening to multi-part music
Ragert, M., Fairhurst, M. T. & Keller, P. E., 24 Jan. 2014, in: PloS one. 9, 1, e84085.

Leading the follower: An fMRI investigation of dynamic cooperativity and leader-follower strategies in synchronization with an adaptive virtual partner
Fairhurst, M. T., Janata, P. & Keller, P. E., 1 Jan. 2014, in: NeuroImage. 84, S. 688-697 10 S.

Being and Feeling in Sync with an Adaptive Virtual Partner: Brain Mechanisms Underlying Dynamic Cooperativity
Fairhurst, M. T., Janata, P. & Keller, P. E., Nov. 2013, in: Cerebral cortex. 23, 11, S. 2592-2600 9 S.

The importance of integration and top-down salience when listening to complex multi-part musical stimuli
Uhlig, M., Fairhurst, M. T. & Keller, P. E., 5 Aug. 2013, in: NeuroImage. 77, S. 52-61 10 S.

Synchronizing with auditory and visual rhythms: An fMRI assessment of modality differences and modality appropriateness
Hove, M. J., Fairhurst, M. T., Kotz, S. A. & Keller, P. E., 15 Feb. 2013, in: NeuroImage. 67, S. 313-321 9 S.

An fMRI Study Exploring the Overlap and Differences between Neural Representations of Physical and Recalled Pain
Fairhurst, M., Fairhurst, K., Berna, C. & Tracey, I., 31 Okt. 2012, in: PloS one. 7, 10, e48711.

Anticipatory brainstem activity predicts neural processing of pain in humans
Fairhurst, M., Wiech, K., Dunckley, P. & Tracey, I., März 2007, in: Pain. 128, 1-2, S. 101-110 10 S.

Neurogenetic Imaging
Fairhurst, M., 2006, *Gene Therapy: Prospective Technology assessment in its societal context*. Elsevier, S. 77-87 11 S.

A comparison of visceral and somatic pain processing in the human brainstem using functional magnetic resonance imaging
Dunckley, P., Wise, R. G., Fairhurst, M., Hobden, P., Aziz, Q., Chang, L. & Tracey, I., 10 Aug. 2005, in: Journal of Neuroscience. 25, 32, S. 7333-7341 9 S.