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POSITIONS

2019-present Associate Professor of Psychometrics; Department of Neuroscience, Imaging and Clinical Sciences; G. d’Annunzio University of Chieti-Pescara
Research theme: The sense of self and its relation with the physical and social environment

2016-2019 Assistant Professor (tenure track) in Psychometrics; Department of Neuroscience, Imaging and Clinical Sciences; G. d’Annunzio University of Chieti-Pescara

2007-2016 Post-Doctoral Researcher, G. d’Annunzio University of Chieti-Pescara, Italy

2004-2005 Cognitive Trainer (rehabilitation and neuropsychological assessment of patients with traumatic brain injury) at the Department of Non-Innate Brain Damage, Rehabilitation Clinic Groot Klimmendaal, Arnhem, The Netherlands

2002-2005 Research Assistant at the section of Neuropsychology of the Department of Adult Psychiatry, University Medical Center Utrecht, The Netherlands

EDUCATION

2008 PhD in Functional Neuroimaging: from Cells to Systems; G. d’Annunzio University of Chieti-Pescara, Italy: “The sense of the body: meaning representation in the multimodal sensory-motor system”

2002 Master in Psychology, Radboud University Nijmegen, The Netherlands

NATIONAL HABILITATION

2020 National habilitation for Full Professor in General Psychology, Psychobiology and Psychometrics; Ministry for Education, Universities and Research, Italy

COMMISSIONS OF TRUST

2020-present Associate Editor: *Frontiers in Psychology - Cognitive Science*

2016-present Ad hoc reviewer for Journal of Cognitive Neuroscience, Clinical Neurology and Neurosurgery, PLoS ONE, Human Brain Mapping, NeuroImage, Proceedings of the Royal Society, Cerebral Cortex, Social Cognitive and Affective Neuroscience, Journal of Neuroscience, Archives of General Psychiatry, Biological Psychiatry, Schizophrenia Bulletin, Frontiers in Human Neuroscience, Frontiers in Behavioral Neuroscience, Frontiers in Psychology, Neuropsychologia, Experimental Brain Research, Neuroscience & Biobehavioral Reviews, Psychological Science, Molecular Autism, Consciousness and Cognition, Psychiatry and Clinical Neurosciences, Fonds Wetenschappelijk Onderzoek Vlaanderen

PROJECTS, FUNDING, AWARDS AND RELEVANT RESPONSABILITIES

2023-present Substitute member Review Board for Research in Human Beings; Department of Neuroscience, Imaging and Clinical Sciences, G. d'Annunzio University of Chieti and Pescara

2022-present Principal investigator and coordinator, Research Projects of Relevant National Interest (PRIN, Italian ministry for Universities and Research), 36 months (01/06/2022-31/05/2025) inter-university research project (University of Chieti and University of Verona; *funding* €579k)

2020-present Collaborating researcher within the enterprises and competitiveness project "Vinosophia" from the Ministry of Economic Development (total project funding €435k) connecting economic development of enterprises (Made in Bio s.r.l. wine-making) with scientific research (University of Chieti; coordination by the Department of Medicine and Aging Sciences)

2020-present Member educational committee – Master program in Psychology, G. d'Annunzio University of Chieti-Pescara

2018-present Board of the PhD program in Neuroscience and Imaging, G. d'Annunzio University of Chieti-Pescara

2017-present Board member of the Institute of Advanced Biomedical Technologies (ITAB), G. d'Annunzio University of Chieti-Pescara

2017-present Responsible Laboratory "The Social Brain and Individual Differences", Institute of Advanced Biomedical Technologies (ITAB), Chieti, Italy

2017 Research award (*funding* €3k) based on basic research productivity by the Ministry of Education, Universities and Research, Italy

2016 Principal investigator, individual research grant (*funding* €47k); BIAL Foundation. "The sense of self: a neuroimaging study of interactions between intrinsic and extrinsic self-networks"

2011-2014 Local deputy of Chieti (TESIS associated partner) within the Marie-Curie International Training Network Program "Towards an Embodied Science of InterSubjectivity" (TESIS) (FP7-PEOPLE-2010-ITN, 264828)

- 2011-2013 Scholarship Award from the region of Abruzzo for a two-year postdoctoral project on the neuroimaging of social perception and its dysfunctions
- 2010 Investigator: research funding from the Abruzzo Region (6 months); Project title: “The neural basis of human fluid intelligence: application of advanced methods for fMRI-EEG integration” (Collaboration: Chieti, Birmingham, New York).
- 2007 Scholarship Award from the region of Abruzzo for research activity at the Donders Institute for Brain, Cognition and Behavior, Nijmegen, The Netherland (3 months)
- 2007 Travel Award at the Meeting of the Organization for Human Brain Mapping, Chicago, USA “The sense of touch: an abstract notion of touch in the secondary somatosensory cortex”

TEACHING

- 2011-present University teacher of psychometrics, G. d’Annunzio University of Chieti-Pescara (bachelor, master, post-graduate, PhD courses): Psychometrics 1 (bachelor, Psychological Sciences and Techniques), Psychometrics for Cognitive and Clinical Neurosciences (master, Psychology/Cognitive Neuroscience), Psychometrics (health care bachelor courses)

CONFERENCES AND PRESENTATIONS (SELECTION)

- June 2023: invited speaker, International Workshop “Biobehavioral Arts and Cultural Health, Sustainability and Social Cohesion”, Chieti – Italy
- Settember 2021: XXVII Congresso AIP Sezione Sperimentale - Lecce; Co-chair of the symposium: Metodi e tecniche per lo studio delle differenze individuali nelle neuroscienze e nella psicologia cognitiva
- September 2020 (speaker): Measuring intersubjective understanding: Empathic Experience Scale. 50th Virtual Congress of the European Association for Behavioural and Cognitive Therapies (EABCT), Athens, Greece
- March 2019: International Convention of Psychological Science (ICPS), Paris, France.
Chair of the Symposium: “Toward a Two-Way Self: Unfolding the Interaction Between Internally and Externally Directed Information Processing and Its Neural Mechanisms in Health and Psychopathology
- March 2016 (speaker): "The Social Self in Schizophrenia: A Neural Network Perspective on Integrative External and Internal Information Processing". European Psychiatric Association Congress, Madrid, Spagna.
- January 2015 (speaker): "Embodied simulation and touch: the sense of touch in social cognition". Donders Centre for Cognition (DCC lecture), Nijmegen, The Netherlands.

- January 2015 (speaker): "The link between aberrant self-experience and self-other relationship in first-episode schizophrenia". Department of Neuroscience, University of Groningen, Groningen, The Netherlands.
- February 2013 (speaker): "Neuroimaging on the Nature of the altered Self-Other Relationship in Schizophrenia", International conference: "Enactive and Phenomenological Approaches to Intersubjectivity", Copenhagen, Denmark.
- October 2012 (speaker): "Out of Touch with Reality, Social Perception in First-episode Schizophrenia". Congresso della Società Italiana di Psichiatria, Milano.
- February 2011 (speaker): "Social perception in schizophrenia". Congresso della Società Italiana di Psicopatologia, Roma.
- June 2007 (speaker): "The sense of touch: an abstract notion of touch in the secondary somatosensory cortex". Meeting of the Society for Human Brain Mapping, Chicago, U.S.A.

PUBLICATIONS

- Di Plinio S, Scalabrini A, Ebisch SJH (2022). An integrative perspective on the role of touch in the development of intersubjectivity. *Brain and Cognition*, 163:105915. doi: 10.1016/j.bandc.2022.105915
- Di Plinio S, Aquino A, Haddock GG, Alparone FR, Ebisch SJ (2022). Brain and behavioral contributions to individual choices in response to affective and cognitive persuasion. *Cerebral Cortex*, doi: 10.1093/cercor/bhac213
- Simone Di Plinio, Mauro Pettoruso, Sjoerd JH Ebisch (2022). Appropriately Tuning Stochastic-Psychometric Properties of the Balloon Analogue Response Task (BART). *Frontiers in Psychology*, 13:881179. doi: 10.3389/fpsyg.2022.881179
- Di Plinio, S., & Ebisch, S. J. (2022). Probabilistically Weighted Multilayer Networks disclose the link between default mode network instability and psychosis-like experiences in healthy adults. *Neuroimage*, 257:119291. doi: 10.1016/j.neuroimage.2022.119291
- Sjoerd J.H. Ebisch, Andrea Scalabrini, Georg Northoff, Clara Mucci, Maria Rita Sergi, Aristide Saggino, Antonio Aquino, Francesca R. Alparone, Mauro Gianni Perrucci, Vittorio Gallese, Simone Di Plinio (2022). Intrinsic shapes of empathy: functional brain network topology encodes intersubjective experience and awareness traits. *Brain Sciences*, 12, 477. Doi: 10.3390/brainsci12040477
- Sergi MR, Picconi L, Tommasi M, Saggino A, Ebisch SJH, Spoto A. The Role of Gender in the Association Among the Emotional Intelligence, Anxiety and Depression. *Front Psychol*. 2021 Oct 4;12:747702. doi: 10.3389/fpsyg.2021.747702
- Ebisch SJH (2020). The Self and Its Nature: A Psychopathological Perspective on the Risk-Reducing Effects of Environmental Green Space for Psychosis. *Frontiers in Psychology*, 11:531840. doi: 10.3389/fpsyg.2020.531840
- Di Plinius, S., & Ebisch, S. J. (2020) Combining local and global evolutionary trajectories of brain-behavior relationships through game theory-A novel prospective in integrative

- neuroscience. *European Journal of Neuroscience*, 52(9):4198-4213.
<https://doi.org/10.1111/ejn.14883>
- Di Plinio S, Perrucci MG, Ebisch SJH (2020). The prospective sense of agency is rooted in local and global properties of intrinsic functional brain networks. *Journal of Cognitive Neuroscience*, 32(9):1764-1779. doi: 10.1162/jocn_a_01590
- Antonio Aquino, Francesca Alparone, Stefano Pagliaro, Geoff Haddock, Gregory R. Maio, Mauro G. Perrucci, and Sjoerd Ebisch (2020). Sense or Sensibility? the Neuro-functional Basis of the Structural Matching Effect in Persuasion. *Cognitive, Affective & Behavioral Neuroscience*, 20(3):536-550. doi: 10.3758/s13415-020-00784-7
- Di Plinio S, Arnò S, Perrucci MG, Ebisch SJH (2020). The evolving sense of agency: Context recency and quality modulate the interaction between prospective and retrospective processes. *Consciousness & Cognition*, 80: 102903. doi: 10.1016/j.concog.2020.102903
- Di Plinio S, Perrucci MG, Aleman A, Ebisch SJH (2020). I am Me: Brain systems integrate and segregate to establish a multidimensional sense of self. *Neuroimage*, 205:116284. doi: 10.1016/j.neuroimage.2019.116284
- Di Plinio S, Arnò S, Perrucci MG, Ebisch SJH (2019). Environmental control and psychosis-relevant traits modulate the prospective sense of agency in non-clinical individuals. *Consciousness & Cognition*, 73:102776. doi: 10.1016/j.concog.2019.102776.
- Innamorati, M.¹, Ebisch, S. J.¹, Gallese, V., & Saggino, A. (2019). A bidimensional measure of empathy: Empathic Experience Scale. *PLoS One*, 14(4), e021616.
- Zappasodi, F., Perrucci, M. G., Saggino, A., Croce, P., Mercuri, P., Romanelli, R., Colom, R. & Ebisch, S. J. (2019). EEG microstates distinguish between cognitive components of fluid reasoning. *NeuroImage*, doi: 10.1016/j.neuroimage.2019.01.067
- Scalabrini S, Ebisch S.J.H., Huang Z, Di Plinio S, Perrucci MG, Romani GL, Mucci C, Northoff G (2019). Spontaneous brain activity predicts task-evoked activity during animate versus inanimate touch. *Cerebral Cortex*, doi: 10.1093/cercor/bhy340
- Di Plinio S, Ebisch SJH (2018). Brain network profiling defines functionally specialized cortical networks. *Human Brain Mapping* 39(12):4689-4706.
- Scalabrini A, Huang Z, Mucci C, Perrucci MG, Ferretti A, Fossati A, Romani GL, Northoff G, Ebisch SJH (2017). How spontaneous brain activity and narcissistic features shape social interaction. *Scientific Reports* 7: 9986. doi: 10.1038/s41598-017-10389-9.
- Ebisch SJH, Gallese V, Salone A, Martinotti G, di Iorio G, Mantini D, Perrucci MG, Romani GL, Di Giannantonio M, Northoff G (2017). Disrupted relationship between "resting state" connectivity and task-evoked activity during social perception in schizophrenia. *Schizophrenia Research* pii: S0920-9964(17)30421-8. doi: 10.1016/j.schres.2017.07.020.
- SJ Ebisch, A Aleman (2016). The fragmented self: imbalance between intrinsic and extrinsic self-networks in psychotic disorders. *The Lancet Psychiatry*, 3(8):784-90. DOI: 10.1016/S2215-0366(16)00045-6
- SJ Ebisch, A Salone, G Martinotti, L Carlucci, D Mantini, MG Perrucci, A Saggino, GL Romani, M Di Giannantonio, G Northoff, V Gallese (2016). Integrative Processing of Touch and Affect in Social Perception: An fMRI Study. *Frontiers in Human Neuroscience*, 10.

- SJ Ebisch, A Bello, G Spitoni, MG Perrucci, V Gallese, G Committeri, C Pastorelli, L Pizzamiglio (2015). Emotional susceptibility trait modulates anterior insula responses and functional connectivity in flavor processing. *Frontiers in Behavioral Neuroscience*, vol. 9, pp. 297.
- SJ Ebisch, V Gallese (2015). A neuroscientific perspective on the nature of altered self-other relationships in schizophrenia. *Journal of Consciousness Studies*, vol. 22, pp. 220-240.
- SJ Ebisch, F Ferri, V Gallese (2014). Touching moments: Neural correlates of the desire for romantic caress. *Frontiers in Behavioral Neuroscience*, vol. 8, pp. 60.
- SJ Ebisch, F Ferri, GL Romani, V Gallese (2014). Reach out and touch someone: anticipatory neural representations of active interpersonal touch. *Journal of Cognitive Neuroscience*, vol. 26, pp. 2171-2185.
- SJ Ebisch, D Mantini, G Northoff, A Salone, D De Berardis, F Ferri, FM Ferro, M Di Giannantonio, GL Romani, V Gallese (2014). Altered brain long-range functional interactions underlying the link between aberrant self-experience and self-other relationship in first-episode schizophrenia. *Schizophrenia Bulletin*, vol. 40, pp. 1072-1082.
- F Ferri, M Costantini, A Salone, SJ Ebisch, D De Berardis, V Mazzola, G Arciero, FM Ferro, M Di Giannantonio, GL Romani, V Gallese (2014). Binding Action and Emotion in First-Episode Schizophrenia. *Psychopathology*, vol. 47, pp. 394–407.
- S Ioannou, SJ Ebisch, T Aureli, D Bafunno, D Cardone, B Manini, H Ioannides, GL Romani, V Gallese, A Merla (2013). The Autonomic Signature of Guilt in Children: A Thermal Infrared Imaging Study. *PLoS ONE*, vol. 8, e79440.
- V Gallese, SJ Ebisch (2013). Embodied Simulation and Touch: The Sense of Touch in Social Cognition. *Phenomenology & Mind* vol. 4, pp. 269-291.
- SJ Ebisch, D Mantini, R Romanelli, M Tommasi, MG Perrucci, GL Romani, R Colom, A Saggino (2013). Long-range functional interactions of anterior insula and medial frontal cortex are differently modulated by visuospatial and inductive reasoning tasks. *NeuroImage*, vol. 78, pp. 426-438.
- B Manini, D Cardone, SJ Ebisch, D Bafunno, T Aureli, A Merla (2013). Mom feels what her child feels: thermal signatures of vicarious autonomic response while watching children in a stressful situation. *Frontiers in Human Neuroscience*, vol. 7, pp. 299.
- SJ Ebisch, A Salone, F Ferri, D De Berardis, GL Romani, FM Ferro, V Gallese (2013). Out of touch with reality? Social perception in first-episode schizophrenia. *Social Cognitive and Affective Neuroscience*, vol. 8, pp. 394-403.
- F Ferri, SJ Ebisch, M Costantini, A Salone, G Arciero, V Mazzola, FM Ferro, GL Romani, V Gallese (2013). Binding Action and Emotion in Social Understanding. *PLoS ONE*, vol. 8, e54091.
- SJ Ebisch, MG Perrucci, P Mercuri, R Romanelli, D Mantini, GL Romani, R Colom, A Saggino (2012). Common and unique neuro-functional basis of induction, visualization, and spatial relationships as cognitive components of fluid intelligence. *NeuroImage*, vol. 62, pp. 331–342.

- F Ferri, A Salone, SJ Ebisch, D De Berardis, GL Romani, FM Ferro, V Gallese (2012). Action verb understanding in first-episode schizophrenia: Is there evidence for a simulation deficit? *Neuropsychologia*, vol. 50, pp. 988-996.
- SJ Ebisch, T Aureli, D Bafunno, D Cardone, GL Romani, A Merla (2012). Mother and child in synchrony: Thermal facial imprints of autonomic contagion. *Biological Psychology*, vol. 89, pp. 123-129.
- SJ Ebisch, V Gallese, RM Willems, D Mantini, WB Groen, GL Romani, JK Buitelaar, H Bekkering (2011). Altered intrinsic functional connectivity of anterior and posterior insula regions in high-functioning participants with autism spectrum disorder. *Human Brain Mapping*, vol. 32, 1013-1028.
- SJ Ebisch, F Ferri, A Salone, MG Perrucci, L D'Amico, FM Ferro, GL Romani, V Gallese (2011). Differential involvement of somatosensory and interoceptive cortices during the observation of affective touch. *Journal of Cognitive Neuroscience*, vol. 23, pp. 1808-1822.
- SJ Ebisch, MG Perrucci, A Ferretti, C Del Gratta, GL Romani, V Gallese (2008). The sense of touch: embodied simulation in a visuotactile mirroring mechanism for observed animate or inanimate touch. *Journal of Cognitive Neuroscience*, vol. 20, pp. 1611-1623.
- SJ Ebisch, C Babiloni, C Del Gratta, A Ferretti, MG Perrucci, M Caulo, MM Sitskoorn, GL Romani (2007). Human neural systems for conceptual knowledge of proper object use: a functional magnetic resonance imaging study. *Cerebral Cortex*, vol. 17, pp. 2744-2751.
- MM Sitskoorn, A Aleman, SJ Ebisch, M Appels, RS Kahn (2004b). Cognitive deficits in relatives of patients with schizophrenia: a meta-analysis. *Schizophrenia Research*, vol. 71, pp. 285-295.
- MM Sitskoorn, SJ Ebisch, M Appels, J Nuyen, RS Kahn (2004a). Memory profiles in parents of patients with schizophrenia. *Psychiatry Research*, vol. 128, 27-37.