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Personal information	
First name/ Surname	Christian Valt
E-mail	christian.valt@hotmail.com
Telephone	0039 3804748910
Address	Via Resia, 186, 39100, Bolzano, Italy
Nationality	Italian
Date of birth	23/04/1984
Gender	Male
Work experience	
Dates	20.12.22-19.12.25
Occupation or position held	**Assistant Professor**
Activities and responsibilities	• Leader of the MEG-Lab • Lecturer of Biological Psychology
Name and address of employer	Department of Translational Biomedicine and Neuroscience University of Bari 'Aldo Moro', P.za Giulio Cesare 11, 70124 Bari, Italy
Type of business or sector	University
Dates	16/06/2020 – 19/12/2022
Occupation or position held	**PostDoc Researcher**
Activities and responsibilities	• Leader of the MEG-Lab
Mentor	Prof. Dr. Alessandro Bertolino
Name and address of employer	Department of Medical Sciences, Neuroscience and Sense Organs University of Bari 'Aldo Moro', P.za Giulio Cesare 11, 70124 Bari, Italy
Type of business or sector	University
Dates	23/07/2013 – 31/01/2020
Occupation or position held	**PostDoc Researcher**
Activities and responsibilities	Research, lectures, supervision of students, administrative duties • Leader of the EEG-Lab • Lecturer of seminars on neuroscience and general psychology • Lecturer of the module "Perception and Action" • Member of the IPU ethic committee • Supervisor of bachelor and master students
Mentor	Prof. Dr. Birgit Stürmer
Name and address of employer	International Psychoanalytic University Berlin Stromstraße 1, 10555 Berlin, Germany
Type of business or sector	University
Education	
Dates	18/09/09 – 13/07/13
Title of qualification awarded	**PhD in Psychology**
Dissertation	*"Rapid response learning and facilitation in perceptual and conceptualnetworks: two types of memory for face priming"*
Supervisors Principal	Dr. Stephan J. Boehm, Prof. Dr. Robert Rafal
Subject covered	Electrophysiology of human non-declarative memory

Organization providing education	School of Psychology, University of Bangor, Adeilad Brigantia, Penrallt Rd, Bangor LL57 2AS, Wales, United Kingdom
Dates	11/10/06 – 10/03/09
Title of qualification awarded	**Master in Psychology (Neuroscience)**
Dissertation	"The brain's Default Mode Network: a design of behavioral experiments to test independence of task, difficulty, and modality"
Supervisors Principal	Prof. Dr. Jorge Jovicich
Subject covered	Cognitive Neuroscience - Neuroimaging
Organization providing education	Department of Psychology and Cognitive Sciences, University of Trento,Corso Bettini, 84, Rovereto, 38068, Italy
Grade	110/110
Dates	04/09/03 – 23/09/06
Title of qualification awarded	**Bachelor in Sciences and Techniques of Applied Cognitive Psychology**
Dissertation	"Attention and Movement Perception"
Supervisors Principal	Prof. Dr. Massimo Turatto
Subject covered	Cognitive science of attention
Organization providing education	Department of Psychology and Cognitive Sciences, University of Trento, Corso Bettini, 84, Rovereto, 38068, Italy
Grade	105/110
Postgraduate scientific training	*August 2017:* **Maths and Matlab**, Nijmegen-The Netherlands *November 2016:* **EEGLAB 2016,** at UCSD, San Diego-USA *July 2010:* **Cognitive and Affective Neuroscience,** Swansea-UK

Scientific Activity

Published/Accepted Articles

1. Tavella, A., **Valt, C.**, Berchio, C., Stolfa G., Altamura, M., …, Bertolino, A. (accepted). Magnetoencephalographic Microstates Revealed Disrupted Brain Activity Patterns in Schizophrenia Controlling for Treatment-Related Modulations. *Schizophrenia Bulletin*
2. Andriola, I.*, **Valt, C.*,** Marsella, V., Palma, C., Tavella, A., ... & Bertolinoa, A. (2025). Different abnormalities of Mismatch Negativity in schizophrenia and depression as assessed with magnetoencephalography. *Journal of Psychiatry Research, 181*, 126-133 DOI: 10.1016/j.jpsychires.2024.09.054: *shared first
3. **Valt, C.**, López-Caballero, F., Tavella, A., Altamura, M., Bellomo, A., Barrasso, G., ..., Pergola, G., & Salisbury, D. F. (2024). Abnormal inter-hemispheric effective connectivity from left to right auditory regions during Mismatch Negativity (MMN) tasks in psychosis. *Psychiatry Research*, *342*, 116189. DOI: 10.1016/j.psychres.2024.116189
4. **Valt, C.*,** Tavella, A.*, Berchio, C., Seebold, D., Sportelli, L., Rampino, A., Salisbury, D.F., Bertolino, A., & Pergola, G. (2024). MEG microstates: an investigation of underlying brain sources and potential neurophysiological processes. *Brain Topography, 37(6),* 993-1009. DOI: 10.1007/s10548-024-01073-z *shared first
5. Delussi, M.*, **Valt, C.***, Silvestri, A., Ricci, K., Ladisa, E., Ammendola, E., ... & de Tommaso, M. (2024). Auditory

mismatch negativity in pre-manifest and manifest Huntington's disease. *Clinical Neurophysiology, 162*, 121-128. DOI: 10.1016/j.clinph.2024.03.020 *shared first

6. Lisica, D., Koso-Drljevic, M., Stürmer, B., & **Valt, C.** (2024) Reduction of anxiety symptoms during systemic family Therapy results in a concurrent improvement of cognitive performance. *Cognition & Emotion, 38*(2), 245-255. DOI: 10.1080/02699931.2023.2285822
7. **Valt, C.**, Quarto, T., Tavella, A., Romanelli, F., Fazio, L., Arcara, G.,... & Bertolino, A. (2023). Reduced magnetic Mismatch Negativity: a shared deficit in psychosis and related risk. *Psychological Medicine*, *53*(13), 6037-6045. DOI: 10.1017/S003329172200321X444
8. Lisica, D., Koso-Drljevic, M., Stürmer, B., Džubur, A., **Valt, C.** (2022). Working memory impairment in relation to the severity of anxiety symptoms. *Cognition and Emotion, 36*(6), 1093-1108. DOI: 10.1080/02699931.2022.2081535
9. **Valt, C.,** Huber, D., Kontaxi, S., Frank, J., Nörtemann, M., & Stürmer, B. (2021). The Processing of Visual Signals in Major Depressive Disorder. *Clinical EEG and Neuroscience, 53*(1), 37-44.DOI: 10.1177/15500594211019916.
10. **Valt, C.,** & Stürmer, B. (2021). On the processing of optimal performances: Studying arousal evoked by being correct and fast. *Brain and Behavior, e02162*. DOI: 10.1002/brb3.2162
11. **Valt, C.,** Sprengeler, M. K., & Stürmer, B. (2020). Feedback processing in the context of social comparison. *Psychophysiology, 57*(3), e13489. DOI: 10.1111/psyp.13489
12. **Valt, C.,** Huber, D., & Stürmer, B. (2020). Treatment-related changes towards normalization of the abnormal external signal processing in panic disorder. *PlosOne, 15*(1), e0227673. DOI: 10.1371/journal.pone.0227673
13. **Valt, C.,** Sprengeler, M. K., & Stürmer, B. (2018). Linking internal and external signals for performance monitoring: An event-related potential (ERP) study. *Psychophysiology, 55*(9), e13085. DOI: 10.1111/psyp.13085
14. **Valt, C.,** Huber, D., Erhardt, I., & Stürmer, B. (2018). Internal and external signal processing in patients with panic disorder: An event- related potential (ERP) study. *PlosONE, 13*(11), e0208257. DOI: 10.1371/journal.pone.0208257
15. **Valt, C.,** & Stürmer, B. (2018). Processing genuine and non-genuine smiles as social response to personal performance: An event-related brain potential (ERP) study. *Emotion, 18,* 551-562. DOI: 10.1037/emo0000327
16. **Valt, C.,** & Stürmer, B. (2017). On the correct side of performance: Processing of internal and external signals in response speed evaluation. International Journal of *Psychophysiology, 117*, 26-36. DOI: 10.1016/j.ijpsycho.2017.04.005
17. **Valt, C.,** Palazova, M., & Stürmer, B. (2017). Processing of internal and external signals for performance monitoring in the context of emotional face processing. *Advances in Cognitive Psychology, 13*(3), 190-200. DOI: 10.5709/acp-0219-5
18. **Valt, C.,** Stürmer, B., Sommer, W., & Boehm, S. (2017). Early response activation in repetition priming: An LRP study. *Experimental Brain Research, 235*, 2927-2934. DOI: 10.1007/s00221-017-5017-1

19. **Valt, C.,** Klein, C., & Boehm, S. G. (2015). Dissociation of rapid response learning and facilitation in perceptual and conceptual networks of person recognition. *British Journal of Psychology, 106*(3), 375-396. DOI: 10.1111/bjop.12095

Abstract published into conference proceedings

1. **Valt, C.,** Quarto, T., Tavella, A., Fazio, L., Andriola, I., Blasi, G., ... & Bertolino, A. (2021). Reduced Phase Synchronization for Auditory Deviant Detection in Schizophrenia and Clinical High Risk for Psychosis. *Biological Psychiatry, 89*(9), S309-S310.

Papers under review

1. **Valt, C.,*** Raio, A.*, Antonucci, L.A., Berchio, C., Coffman, A.B, ... & Pergola, G. (under review). From Chronic Psychosis to Schizotypy: Commonality of Auditory Mismatch Negativity (MMN) Deficit. *Translational Psychiatry* *shared first
2. Berchio, C., Tavella, A., **Valt, C.,** Stolfa G., Passiatore, R., …, Pergola, G., (under review). Investigating Visual Brain Networks and Biological Sex in Psychiatric Disorders: Insights from MEG and EEG Microstates. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*
3. Russo, G., Andriola, I., **Valt, C.**, Cuccia, F., Stolfa, G., … & Pergola, G. (under review). Shared and Subgroup-Specific Resting-State MEG Connectivity Alterations Across Major Depressive Disorder and Treatment-Resistant Depression. *Psychiatry Research*
4. Lisica, D., Muhamedagić, M., **Valt, C.**, & Koso-Drljevic, M., (under review). Validation of the Bosnian Version of the Differentiation of Self Inventory. *Contemporary Family Therapy*

Conference presentations

1. **Valt C.,** From Chronic Psychosis to Schizotypy: Commonality of Auditory Mismatch Negativity (MMN) Deficit. *BaCi 2025*, Munich (Germany), September 2025.
2. **Valt C.** Abnormal inter-hemispheric effective connectivity from left to right auditory regions during Mismatch Negativity (MMN) tasks in psychosis. *MMN2024,* Salamanca (Spain), September 2024
3. **Valt C.** Abnormal inter-hemispheric effective connectivity from left to right auditory regions during Mismatch Negativity (MMN) tasks in psychosis. *SIPF2024,* Cesena (Italy), September 2024
4. **Valt C.,** Pergola, G., & Bertolino, A. The transdiagnostic nature of Mismatch Negativity amplitude reductions: Implications for psychiatric disorders beyond schizophrenia. *BaCi 2023*, Istanbul (Turkey), September 2023.
5. **Valt, C.,** Quarto, T., et al. Reduced magnetic mismatch negativity in psychosis, *MMN 2022,* Fukushima (Japan), September 2022
6. **Valt, C.,** Quarto, T., et al. Abnormal synchronization of left and right primary auditory cortex activity during a mismatch negativity task in people at risk for psychosis, *SIPF 2022*, Udine (Italy), September 2022
7. **Valt, C.,** Quarto, T., et al. Reduced magnetic mismatch negativity in psychosis, *SOPSI 2022*, Rome (Italy), June 2022 *poster selected for the Young Research Award
8. **Valt, C.,** Huber, D., Erhardt, I., & Stürmer, B. Internal and

external signal processing in patients with panic disorder: An event-related potential (ERP) study. *International Meeting of the Psychonomic Society*, Amsterdam (The Netherlands), Mai 2018.

Conference posters

1. Pergola, G., **Valt C.,** From Chronic Psychosis to Schizotypy: Commonality of Auditory Mismatch Negativity (MMN) Deficit. *SIPF2025*, Verona (Italy), September 2025.
2. **Valt, C.,** et al. Abnormal inter-hemispheric effective connectivity from left to right auditory regions during Mismatch Negativity (MMN) tasks in psychosis. *SIRS2024*, Florence (Italy), April, 2024
3. **Valt, C.,** et al. MEG microstates: an investigation of underlying brain sources and potential neurophysiological processes. *EWCN2024*, Bressanone (Italy), January, 2024
4. **Valt, C.,** et al. MEG microstates: an investigation of underlying brain sources and potential neurophysiological processes. *SIPF2023*, Siena (Italia), November 2023
5. **Valt, C.,** et al. Latenzad ella mismatch negativity più lenta nella depressione rispetto alla psicosi: uno studio di magnetoencefalografia. *SIPB2023*, Naples (Italy), October 2023
6. Tavella, A., **Valt, C.,** et al., I microstati magnetoencefalografici sono alterati negli stadi iniziali della psicosi. *SIPB2023*, Naples (Italy), October 2023
7. **Valt, C.,** Quarto, T., et al. Reduced magnetic mismatch negativity as a transdiagnostic factor of psychosis. *SIRS2022*, Florence (Italy), April 2022
8. **Valt, C.,** Huber, D., & Stürmer, B. The study of external signal processing in depression and panic disorder, before and after psychotherapy. *EACLIPT2019*, Dresden (Germany), November 2019
9. **Valt, C.,** Sprengeler, M. K., & Stürmer, B. Feedback processing in the context of social comparison. *ESCAN2018*, Leiden (The Netherlands), July 2018.
10. **Valt, C.,** Huber, D., Erhardt, I., & Stürmer, B. Internal and external signal processing in patients with panic disorder: An event-related potential (ERP) study. *Ten Years of Mind/Brain research at the University of Trento*, Rovereto (Italy), October 2017.
11. **Valt, C.,** Huber, D., Erhardt, I., & Stürmer, B. Internal and external signal processing in patients with panic disorder: An event-related potential (ERP) study. *Days of Applied Psychology*, Niš (Serbia), October 2017.
12. **Valt, C.,** Stürmer, B., Sommer, W., & Boehm, S., Early response activation in repetition priming: An LRP study. *ICON6*, Budapest (Hungary), July 2016.
13. **Valt, C.,** & Stürmer, B. Processing of internal and external signals in response speed evaluation. *ESCAN2016*, Porto (Portugal), June 2016.
14. **Valt, C.,** Möller, P., & Stürmer, B., Processing the authenticity of a smile in a context of performance monitoring. *SIRS2015*, Seattle (Washington - USA), October 2015.
15. **Valt, C.,** Palazova, M., & Stürmer, B. „I know: you are angry with me“: Internal and external performance monitoring in a social context. *ESCAN2014*, Dortmund (Germany), June 2014.
16. **Valt, C.,** Sommer, W., Klein, C., & Boehm, S.G., Early

processing differences for rapid response learning for faces. *CNS2012*, Chicago (Illinois - USA), March 2012.
17. Boehm, S.G., & **Valt, C.,** The role of stimulus-response binding for face priming. *ICON5*, York (UK), July 2011.
18. **Valt, C.,** & Boehm, S.G., Stimulus-response learning for common objects- within and across domains. *Welsh Institute of Cognitive Neuroscience Conference*, Deganwy (UK), January 2011.

Invited talks

1. **Valt, C.**, PRISM: Profiling the risk for schizophrenia with machine learning. *International Psychoanalytic University Berlin*. Berlin (Germany), July 2024
2. **Valt, C.,** EEG-BIDS e MEG-BIDS per la condivisione di dati neurofisiologi. *Workshop Open Science e FAIR Data per le Neuroscienze,* Università di Torino, Torino (Italy), June 2022
3. **Valt, C.,** The study of external signal processing in depression and panic disorder, before and after psychotherapy. *Department of Basic Medical Science, Neuroscience and Sense Organs*, University of Bari, Bari (Italy), February 2020
4. **Valt, C.,** Event-related brain potentials of performance monitoring: from basic research to the evaluation of psychotherapy. *Center for Cognitive Sciences*, University of Niš, Niš (Serbia), Mai 2018
5. **Valt, C.,** Linking Internal and External Signals for Performance Monitoring: An Event-Related Potential (ERP) Study. *Workshop "Motor Perspectives on Action and Interaction*", University of Potsdam, Potsdam (Germany), November 2017.
6. **Valt, C.,** Rapid response learning: what is it?. *Istituto Italiano di Tecnologia IIT*, Cimec, Rovereto (Italy), August 2012.

Awards and Grants

Grant	**ITC Conference grant**
Date	04/05/2026
Role	Presenter
Amount	**1.000 €**
Project	CA24148 - EEG 101
Organization providing the award	COST European Cooperation in Science and Technology
Award	**Young Investigator Award 2025**
Date	04/09/2025
Amount	**500 $**
Organization providing the award	EEG and Clinical Neuroscience Society
Grant	**Research Grant for Young Researchers**
Date	25/11/2022
Role	Principal Investigator
Amount	**150.000 €**
Project	PRISM: "Profiling the risk of schizophrenia with machine learning"
Organization providing the award	Italian Ministry for University and Research
Award	**Seal of Excellence,**
Date	06/05/20
Project	PRISM: "Profiling the risk of schizophrenia with machine learning"
Organization providing the award	European Commission, Marie Skłodowska-Curie Actions

Grant	**IPU internal research funding (5101)**
Date	04/12/2018
Role	Author
Amount	**9.984 €**
Project	The interplay of internal and external signal processing in patients with depression: An event-related brain potential study
Organization providing the grant	International Psychoanalytic University Berlin
Grant	**DFG grant (STU 248/4-1)**
Period	01/04/2016 – 31/03/2018
Role	Coauthor and beneficiary around
Amount	**200.000 €**
Project	"Performance monitoring in social interactions: Dynamics of internal and external signal processing"
Organization providing the grant	Deutsche Forschungsgemeinschaft (DFG)
Grant	**Bangor University: 125 Anniversary studentship**
Period	18/09/09 – 18/09/12
Role	Beneficiary
Amount	PhD stipend
Project	"Implicit memory"
Organization providing the grant	Bangor University

Visiting Experiences	June-September 2023, Research Visit, Prof. Dean Salisbury, University of Pittsburgh, Pittsburgh (PA, USA) March 2018/Mai 2019 Lecturer ERASMUS+ University of Sarajevo (Bosnia and Herzegovina) March 2018 Lecturer ERASMUS+ University of Nis (Serbia) July-August 2010, Research Visit, Prof. Werner Sommer, Huboldt University, Berlin (Germany)
International Scientific Collaborations	1. Prof. Giulio Pergola, Lieber Institute for Brain Development - Johns Hopkins Medical Campus, Baltimore, MD, USA 2. Prof. Dean F. Salisbury & Dr. Brian A. Coffman, Clinical Neurophysiology Research Laboratory, Western Psychiatric Hospital, University of Pittsburgh School of Medicine, Pittsburgh, PA, United States 3. Prof. Martin Dietz, Aarhus University, Aarhus (Denmark) 4. Prof. Birgit Stürmer, International Psychoanalytic University, Berlin (Germany) 5. Dr. Delila Lisica and Prof. Maida Koso-Drljevića Department of Psychology, Faculty of Philosophy, University of Sarajevo, Sarajevo (Bosnia and Herzegovina)
Professional service Ad-hoc reviewer:	*Journal of Cognitive Psychology, Consciousness andCognition, Psychophysiology, Quarterly Journal of Experimental psychology, Frontiers in Psychology, Clinical EEG and Neuroscience, British Journal of Psychology, Psychological Research, International Journal of Psychophysiology*

Supervision	Supervision of internships of students for the fulfillments of bachelorand master curricula at both Bangor University and International Psychoanalytic University Berlin • Bachelor thesis: Kim Ramon, Mona Katharina Sprengeler, AlexandraMindelson, Philipp Möller, Angelika Johanna Bracher • Master thesis: Sofia Kontaxi, Mona Katharina Sprengeler, Philipp Möller, Alexandra Skutschik, Anna Dürkop, Benjamin Sturm, Fabiola Romanelli, Clarissa Di Benedetto, Celestino Palma • Mentor of ERASMUS+ visiting students Vuk Markovic and Delila Lisica
Teaching Activities	• **Adjunct Instructor** (2024-ongoing), *Cognitive Neuroscience*, and *Neuropsychology* International University of Sarajevo • **Lecturer** (2023-2025), *Biological Psychology and Physiological Psychology*, 1st and 2nd year undergraduates, Department of Translational Biomedicine and Neuroscience, University of Bari • **Lecturer** (2018-2019), *Perception and Action*, 1st and 2nd year undergraduate, International Psychoanalytic University Berlin General psychology • **Lecturer**, (2018-2019), *Seminars for general psychology*, 2nd year undergraduate course, International Psychoanalytic University Berlin • **Lecturer**, (2015-2020), *Seminars for consolidating behavioral science*, 2nd year undergraduate course, International Psychoanalytic University Berlin • **Lecturer**, (2014-2016; 2019-2020), R*esearch project*, 2nd year undergraduate course International Psychoanalytic University. • **Teaching assistant** (2010-2013) *Research methods, Advanced research skills, and Biological foundations of memory* School of Psychology, Bangor University