Curriculum Vitae

Personal Information

Name:	**Thomas Quettier**
E-mail:	thomas.quettier2@unibo.it
Github:	https://github.com/Merluin
Nationality:	French

Current Position

2024/10 - present	**Post-doctoral fellow, Università degli studi di Bologna, Italy** Uncovering the Neural Basis of Authentic Emotion Recognition (M/PSI-02) Supervisor: Professor Sara Borgomaneri
2024/10 – present	**Tutor for the course General Psychology (Module B)**. Methods in Psychological Science first cycle degree, University of Padova, Padova ITALY (30 hours)
2024/11-present	**Adjunct Professor of Basic Level Statistics.** Doctoral School of the University of Verona, University of Verona, Verona, ITALY (20 hours)

Research Experiences

2023/10 - 2024/09, 11 months	**Post-doctoral fellow, Università degli studi di Bologna, Italy** The influence of emotions on actions: Boosting brain network plasticity to ameliorate action control (M/PSI-02) Supervisor: Professor Sara Borgomaneri
2023/01 - 2023/09, 9 months	**Post-doctoral fellow, Università degli studi di Padova, Italy** Unraveling the unique role of the embodied route for emotional face processing (M/PSI-01) Supervisor: Professor Paola Sessa
2022/01 - 2022/12, 12 months	**Post-doctoral fellow, Università degli studi di Padova, Italy** The binocular rivalry paradigm to study the relationship between consciousness and facial expression processing

(M/PSI-01)
Supervisor: Professor Paola Sessa

2022/02 - 2023/02, 12 months — **Post-lauream Internship, Università degli studi di Padova, Italy**
Supervisor: Professor Paola Sessa

2020/01 – 2021/01, 12 months — **Visiting student, Institut des Sciences Cognitives Marc Jeannerod, CNRS, Lyon**
Research topic: functional connectivity of spiking activity between different cortical regions in motor and premotor macaque cortex.
Supervisor: Professor Pier Francesco Ferrari

2017/10 - 2018/06, 9 months — **Visiting student, Iannetti Lab, Human Sensory Neuroscience Research Group, Department of Neuroscience, Physiology and Pharmacology, University College London, UK**
Research topic: hierarchy of rules determining the saliency of sudden sensory stimuli
Supervisors: Professor Giandomenico Iannetti and Dr Giacomo Novembre

2016/06 - 2016/10, 5 months — **Volunteer clinical research worker, Behavioural Genetics and Adult ADHD Clinics Outpatients Department, South London and Maudsley NHS Foundation Trust, London UK**
Research topic: neurobiology of developmental disorder, adult ADHD and autism in adults, assessment observation of ADOS and ADI-R
Supervisor: Dr Dene Roberston MRCPsych

2016/01 – 2016/04, 4 months — **Visiting student, Hôpital Pierre Wertheimer, Service 502. HCL, Lyon**
Research topic: ADHD, TOP
Supervisor: Le Chevanton Marion (Psychologue clinicienne)

2015/06 – 2015/09, 4 months — **Volunteer research assistant, Body Representation Laboratory, Department of Psychological Sciences, Birkbeck University of London, UK**
Research topic: tactile perception. In charge of an experiment on body representation contributing to design the study, collecting and analyzing data
Supervisors: Professor Matthew Longo and Dr Luigi Tamé

Academic Degree

2018/10 – 2021/12, 3 years — **PhD in Psychological Sciences, Università degli Studi di Padova, Italy**
Conscious processing of facial expressions and the contribute of somesthetic signals: Evidence from binocular rivalry dynamics
Supervisor: Professor Paola Sessa
Final grade: Excellent 23/05/2022

2016/10 – 2018/07, 2 years — **Master in Applied Cognitive Psychology, Università degli Studi di Padova, Italy**
What is most salient? Towards a hierarchy of stimulus features determining the saliency of sudden sensory stimuli

	Supervisors: Professor Lucia Regolin, Professor Giandomenico Iannetti Final grade: 108/110 Upper Second class Honours
2013/09 – 2016/06, 3 years	**Bachelor in Psychology, Université Lumière Lyon 2, Lyon France** Final grade: 14,5/20 Upper Second class Honours
1997/09 - 2000/06, 3 years	**Equivalence of Bachelor degree in Philosophy, Saint John private institut, Fley, France**

Merits and Awards

2017/10 – 2018/07, 12 months	**Università degli Studi di Padova, Italy** Bando per l'attribuzione di esoneri dai contributi studenteschi per studenti con titolo estero che si immatricolano ai corsi di studio dell'Università degli Studi di Padova erogati in lingua italiana (A.A.2017/18)
2016/10 – 2017/07, 10 months	**EXPLO'RA Sup grant from Auvergne - Rhône Alpes region, France** Institution where the activities have been carried out: Università degli Studi di Padova, Italy
2016/10 – 2017/07, 10 months	**ERASMUS +, Université Lumière Lyon 2, Lyon France** Hosting institution: Università degli studi di Padova, Italy Professor Francesca Peressotti

Publications and conferences

Publications

Quettier, T., Ippolito, G., Però, L., Cardellicchio, P., Battaglia, S., & Borgomaneri, S. (2024) Individual differences in intracortical inhibition predict action control when facing emotional stimuli. Frontiers in Psychology, 15, 1391723. https://doi.org/10.3389/fpsyg.2024.1391723 (IF 3.8, Q1 Multidisciplinary)

Quettier, T., Moro, E., Tsuchiya, N., & Sessa, P. (2023). When mind and body align: examining the role of cross-modal congruency in conscious representations of happy facial expressions. Cognition and Emotion, 1-9. https://doi.org/10.1080/02699931.2023.2285823 (IF 2.72, Q2 Cognitive Psychology)

Quettier, T., Di Lello, N., Tsuchiya, N., & Sessa, P. (2023). In and Out of Consciousness: A method to study the temporal evolution of consciousness during binocular rivalry. *Frontiers in Human Neuroscience, 17*. https://10.3389/fnhum.2023.1145653 (IF 3.473, Q1 Neuropsychology and Physiological Psychology)

Quettier, T., Maffei, A., Gambarota, F., Ferrari, P. F., & Sessa, P. (2023) Testing EEG functional connectivity between sensorimotor and face processing visual regions in individuals with congenital facial

palsy. *Frontiers in Systems Neuroscience*, *17*, 34. https://doi.org/10.3389/fnsys.2023.1123221 (IF 3.785, Q2 Neurosciences)

Quettier, T., Gambarota, F., Tsuchiya, N., & Sessa, P. (2021). Blocking facial mimicry during binocular rivalry modulates visual awareness of faces with a neutral expression. Scientific Reports, 11(1), 9972. https://doi.org/10.1038/s41598-021-89355-5 (IF 4.996, Q1 Multidisciplinary)

Tamè, L., Dransfield, E., **Quettier, T.**, & Longo, M. R. (2017). Finger posture modulates structural body representations. Scientific reports, 7(1), 43019. https://doi.org/10.1038/srep43019 (IF 4.996, Q1 Multidisciplinary)

Pre-print

Quettier, T., Longo, M., Tsuchiya, N., & Sessa, P. (2023, January 26). Visual awareness of others' facial expressions during binocular rivalry under tactile stimulation on the viewer's face. https://doi.org/10.31234/osf.io/n5qby

Ippolito, G., **Quettier, T.**, Borgomaneri, S., & Romei, V. (2024) Silicon Spike: An Arduino-Based Low-Cost and Open-Access Triggerbox to Precisely control TMS Devices, 10.13140/RG.2.2.25192.28160

Conference presentations

Quettier, T. Ippolito, G., Cardellicchio, P., Battaglia, S., Borgomaneri, S., Individual differences in intracortical inhibition predict action control when facing emotional and neutral stimuli, University of Bologna, British Association of Cognitive Neuroscience (BACN), 11 September 2024

Quettier, T. Conscious processing of facial expressions: evidence from binocular rivalry dynamics and facial mimicry manipulation, University of Padova,Italian psychology association (AIP), 27 Septembre 2022

Quettier, T. On the cycle of consciousness and how to study it, University of Oslo, The science of consciousness: obstacles to progress and strategies to overcome them, online workshop, 03 dicember 2021

Invited conference

Quettier, T., Però, L,. Arlati, N,. Lenzi, L,. Cardellicchio, P,. Battaglia, S,. Borgomaneri, S,. From emotion perception to action: a ccPAS study, University of Bologna, International Affective and Cognitive neuroscience Conference (BRAINiac) 15-16 July 2024

Quettier, T. I metodi per studiare i contenuti della consapevolezza, University of Padova, Brain awareness week (BAW) 14th edition, 16 Mars 2023

Quettier, T. Conscious processing of facial expressions: Evidence from binocular rivalry dynamics and facial mimicry manipulation, University of Parma, Italian Association of Cognitive Science (AISC) midterm conference 2022: The Affective Turn in Cognitive Science, 23 June 2022

Quettier, T. Conscious processing of facial expressions and the contribute of somesthetic signals: Evidence from binocular rivalry dynamics, Body Representation Laboratory, Department of Psychological Sciences, Birkbeck University of London, UK, 01 april 2022

Symposium

Quettier, T., Schiano, A., Caruana, F., Sessa, P., Quadrelli, E,. Motor resonance as predictive modeling of emotions, Società Italiana di Psicofisiologia e Neuroscienze Cognitive, annual meeting, Cesena Italy, 4-6 November 2024.

Poster Presentations

Quettier, T., Però, L., Scarpazza, C., Borgomaneri, S. Boosting emotion authenticity recognition: a ccPAS study, Ettore Majorana Foundation and Centre for Scientific Culture, 09-14 October 2024

Quettier, T., Ghislandi, A.., Tsuchiya, N., Sessa, P. Facial Feedback or Sensorimotor Simulation? Induced Smiling During Binocular Rivalry Enhances Conscious Perception of Positive Stimuli, Ettore Majorana Foundation and Centre for Scientific Culture, 09-14 October 2024

Quettier, T., Moro. E., Tsuchiya, N., Sessa, P. When Mind and Body Align: Examining the Role of Cross-Modal Congruency in Conscious Representations of Happy Facial Expressions, ,British Association of Cognitive Neuroscience (BACN), 10 September 2024

Quettier, T., Scarpazza, C., Borgomaneri, S., Increasing associative plasticity in premotor-temporal backprojections improves emotion's authenticity discrimination, Società Italiana di Psicofisiologia e Neuroscienze Cognitive, annual meeting, Cesena Italy, 4-6 September 2024.

Quettier, T., Ippolito, G,. Però, L,. Cardellicchio, P,. Battaglia, S,. Borgomaneri, S,. Individual differences in intracortical inhibition predict action control when facing emotional and neutral stimuli, Società Italiana di Psicofisiologia e Neuroscienze Cognitive, annual meeting, Cesena Italy, 4-6 September 2024.

Quettier, T., Moro. E., Tsuchiya, N., Sessa, P. Induced Facial mimicry during binocular rivalry modulates visual awareness of faces with a happy expression, Società Italiana di Psicofisiologia e Neuroscienze Cognitive, annual meeting, Siena Italy, 09-11 November 2023.

Quettier, T., Gambarota, F., Tsuchiya, N., Sessa, P. Blocking facial mimicry during binocular rivalry modulates visual awareness of others' facial expressions of emotion, Cognitive Neuroscience Society, annual meeting online, 13-16 March 2021.

Quettier, T., Gambarota, F., Tsuchiya, N., Sessa, P. Blocking facial mimicry during binocular rivalry modulates visual awareness of others' facial expressions of emotion, Summer-school, Bayesian Statistical Analyses for the Human, Social and Cognitive Sciences, University of Verona, Italy, 6 June 2019.

Quettier, T., Gambarota, F., Tsuchiya, N., Sessa, P. Sensorimotor modulation of visual consciousness of others' emotions, University of Padova, PhD Open Day, Padova Italy, 10 April 2019.

Editorial and Review Activities

2023 - present	**Ad-Hoc Journal Reviewer:** Frontiers in Psychology, Advances in Clinical and Experimental Medicine, Consciousness and Cognition.

Peer Reviews can be verified:
https://www.webofscience.com/wos/author/record/JWA-0948-2024

Teaching

2024/11/27 – 2025/01/08, 20 hours	Adjunct Professor of Basic Level Statistics. Doctoral School of the University of Verona, University of Verona, Verona, ITALY (20 hours)
2024/11/04 – 2024/11/08, 20 hours	Applied Research Courses Academy (ARCA) PsychoPy3: programmare un esperimento, University of Padova, Padova ITALY Open badge awarding
2024/10 – 2025/09, 30 hours	Tutor for the course General Psychology (Module B). Methods in Psychological Science first cycle degree, University of Padova, Padova ITALY
2024/04/15 – 2024/04/19, 20 hours	Applied Research Courses Academy (ARCA) PsychoPy3: programmare un esperimento, University of Padova, Padova ITALY Open badge awarding
2023/10 – 2024/09, 30 hours	Tutor for the course General Psychology (Module B). Methods in Psychological Science first cycle degree, University of Padova, Padova ITALY
2023/10/16 – 2023/10/23, 20 hours	Applied Research Courses Academy (ARCA) PsychoPy3: programmare un esperimento, University of Padova, Padova ITALY Open badge awarding
2023/05/11, 2 hours	Seminar entitled "Binocular rivalry and mimicry" for the Functional and cognitive basis of intersubjectivity course (Holder: Prof.ssa Paola Sessa) for the Master degree courses in Clinical Developmental Psychology and Neuroscience and Neuropsychological Rehabilitation, University of Padova, Padova Italy
2023/04/17 – 2023/04/21, 20 hours	Applied Research Courses Academy (ARCA) PsychoPy3: programmare un esperimento, University of Padova, Padova ITALY
2022/09/17 – 2022/09/21, 20 hours	Applied Research Courses Academy (ARCA) PsychoPy3: programmare un esperimento, University of Padova, Padova ITALY
2022/10/01 – 2023/09/30, 30 hours	Tutor for the course “General Psychology” (Module B). Methods in Psychological Science first cycle degree, University of Padova,

	Padova ITALY
2021/12/08 – 2021/12/12, 20 hours	Applied Research Courses Academy (ARCA) PsychoPy3: programmare un esperimento, University of Padova, Padova ITALY
2021/04/13, 2 hours	Seminar entitled "Binocular rivalry and mimicry" for the Functional and cognitive basis of intersubjectivity course (Holder: Prof.ssa Paola Sessa) for the Master degree courses in Clinical Developmental Psychology and Neuroscience and Neuropsychological Rehabilitation, University of Padova, Padova Italy

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Mentoring Activities

Master thesis co-supervision

2023-2024	Ghislandi, A., Quettier, T., Sessa, P. The Role of Sensorimotor Simulation in Emotion Recognition: Insights from a Meta-Analysis on individuals with Moebius Syndrome.
2022- 2023	Biagi, S., Quettier, T., Sessa, P. The role of sensorimotor simulation and facial feedback in the recognition of facial expressions in patients with congenital facial palsy: An hdEEG study.
2022- 2023	Flaminio, F., Quettier, T., Sessa, P. Facial expressions investigation on the recognition of emotional expressions in Moebius syndrome: An hdEEG study.
2022- 2023	Leotta, V., Quettier, T., Sessa, P. Seventh Cranial Nerve palsy and emotional facial expression recognition: An online clinical study
2021 - 2022	Moro, E., Quettier, T., Sessa, P. The contribution of sensorimotor simulation to conscious perception of facial expression in a binocular rivalry paradigm.
2020 - 2021	Caberlin, E., Quettier, T., Sessa, P. Neonatal imitation and development of social skills. A systematic review.
	Dalia, G., Quettier, T., Sessa, P. Conscious perception in binocular rivalry: A study of the alternations linked to positive facial expressions.
2019 - 2020	Canal, A., Pilastro, AA., Regolin L. Observational learning through tidbitting simulation in the chick of Gallus gallus domesticus
2018 - 2019	Giuli, V., Quettier, T., Sessa, P. Sensorimotor simulation and conscious and unconscious processing of facial expressions: a binocular rivalry study with facial mimicry manipulations.

Third mission activities

Psychopy support for master and phd students.

Conférences

Quettier, T. I metodi per studiare i contenuti della consapevolezza, University of Padova, Brain awareness week (BAW) 14th edition, 16 Mars 2

Institutional activities

Post Doctoral representative, Department of Psychology "Renzo Canestrari", University of Bologna,. 2024/02 – present

Doctoral students representative in the School of Psychological Sciences. 2018/10 – 2021/12, 3 years

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Membership

Associazione Italiana di Psicologia (AIP, sezioni Sperimentale e Sociale)

Association for Mathematical Consciousness Science (AMCS)

Italian Reproducibility Network (ITRN; Teaching board)

Psicostat (UNIPD, DPSS)

International Collaborations

Prof. Pier Francesco Ferrari (Topic: Emotion Processing, Simulation Theory, Moebius Syndrome), Institut des Sciences Cognitives Marc Jeannerod, CNRS/Université Claude Bernard Lyon, Bron Cedex, France and University of Parma

Prof. Pier Matthew Longo (Topic: Proprioception), Department of Psychological Sciences, Birkbeck, University of London, London, United Kingdom

Prof. Naotsugu Tsuchiya (Topic: Consciousness), Monash University, Australia

Dr. Garcia-Larrea Luis Neuropain, Iserm, Bron, France

COLAB Research Team, Department of Developmental Psychology, University of Padova, Italy

Schools, Formation

2024 - present	**Psychologist** Registered with the Emilia-Romagna Order of Psychologists since: March 4, 2024 number 11581. state exam 100/100
2023/09/08-09/16	**Integrated Information Theory of Consciousness** **From Explanations to Implications, neuroscience school of advanced studies, Italy** Course Leaders: Christof Koch, Giulio Tononi
2022	**Online courses, Complete neural signal processing and analysis: Zero to hero** Course Leader: Mike X Cohen
2022	**Online courses, The Git & Github Bootcamp** Course Leader: Colt Steele
2021/08/09 - 2021/08/13	**Summer-school, Linear Algebra for Neuroscientists, Radbound University, Netherlands** Course Leader: Prof.. Michael X Cohen
2020	**Online courses, MATLAB onramp 2021: coding, concepts, confidence, and style** Course Leader: Mike X Cohen
2019/09/22 - 2019/09/ 27	**Summer School, Machine Learning and AI in Biology, University of Wurzburg, Germany** Course Leader: Philip Kollmannsberger.
2019/06/03 - 2019/06/07	**Summer-school, Bayesian Statistical Analyses for the Human, Social and Cognitive Sciences, University of Verona, Italy** Course Leader: Karl J. Friston (University College of London – UK), Rosalyn Moran (King's College London – UK), Richard Morey (Cardiff University – UK), Marco Tullio Liuzza ("Magna Graecia" University of Catanzaro – Italy), Daniele Romano (University of Milano-Bicocca – Italy), Michele Scandola (University of Verona – Italy)
2019/09/02 - 2019/09/06	**Corsi Avanzati per la Ricerca Scientifica, Analisi del segnale EEG e ricostruzione delle sorgenti tramite il software Brainstorm, Università degli Studi di Padova, Italy** Course Leader: Dott. Gian Marco Duma
2019/09/02 - 2019/09/06	**Corsi Avanzati per la Ricerca Scientifica, Psychtoolbox di MATLAB e MATLAB base, Università degli Studi di Padova, Italy** Course Leader: Dott. Luca Battaglini

Skills

Languages	French	(Mother tongue)
	Italian	(Proficient)
	English	(Upper Intermediate)
	French sign language	(Intermediate)

Research techniques and experimental methodologies: Binocular Rivalry, Electric stimulation, Tactile Stimulation, TMS, EEG, EMG.

Programming languages: MATLAB, Python, Arduino IDE;

Statistical analysis software: R;

Data analysis software: MATLAB, Python, R;

Stimuli presentation and experimental-task software: Psychtoolbox, E-prime, Opensesame, Psychopy3;

Graphic processing software: Photoshop, Fusion360, 3D Printing ;

Writing software: Latex, Markdown, Word, GoogleDoc;

Reference management software: Mendeley, Paperpile, ReadCube;

Psychological and Neuropsychological tests: administration and scoring;

08/01/2025