



Giada Lettieri

📍 **Work** : Piazza San Francesco 19, 55100, Lucca, Italy

✉ **Email**: giada.lettieri@imtlucca.it 📞 **Phone**: (+39) 3890461034

🌐 **Website**: <https://momilab.imtlucca.it/research/api>

🐦 **Twitter**: <https://twitter.com/GiadaLettieri2>

Date of birth: 30/10/1991 **Nationality**: Italian

SUMMARY OF COMMUNICATIONS

(Full list attached)

Peer-reviewed articles: 17 articles, 2 preprints.

Talks: 15 talks as a presenter, including 8 in international conferences and 2 invited talks.

Awards: Marie-Curie Individual Fellowship from the European Research Council; Merit award from the Organization for Human Brain Mapping; Best Poster award from the Social and Affective Neuroscience Society; Junior Researcher Award from the Italian Society of Psychophysiology; Best Scientific Contribution from the Italian Society of Psychophysiology.

Projects: Looking for Emotions in the Absence of Sight funded by the European Research Council for a total of € 166,320.00

WORK EXPERIENCE

[01/12/2023 – Current]

Assistant Professor (RTD-A)

IMT School for Advanced Studies Lucca

City: Lucca | **Country**: Italy

[01/12/2021 – 30/11/2023]

Marie Skłodowska-Curie Research Fellow

CPP Lab, Université catholique de Louvain

[01/10/2023 – 31/10/2023]

Visiting Researcher

City University of London

Visiting period at the City University of London School of Health & Psychological Sciences, in the laboratory of Lucia Garrido.

[01/12/2019 – 30/11/2021]

Research Fellow

Social and Affective Neuroscience Group, IMT School for Advanced Studies Lucca

EDUCATION AND TRAINING

[10/2016 – 12/2019]

PhD in Cognitive, Computational and Social Neurosciences

IMT School for Advanced Studies Lucca

Address: Piazza San Francesco 19, 55100, Lucca, Italy |

[08/2012 – 07/2014]

MSc in Neuroscience

Università Vita-Salute San Raffaele

Address: Via Olgettina 58, 20132, Milan, Italy |

[08/2009 – 09/2012]

BSc in Psychological sciences and techniques

Università Vita-Salute San Raffaele

Address: Via Olgettina 58, 20132, Milan |

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

French

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

MATLAB | AFNI | FSL | SPM | ANTs | Shell Script (Bash) | HTML | Natural Language Processing | Brain Imaging | Behavioral Testing

PUBLICATIONS

[2024] [Visual experience shapes bodily representation of emotion](#)

Lettieri, G., Calce, R.P., Giraudet, E., Collignon, O., *Emotion* [in press].

[2024] [Dissecting abstract, modality-specific and experience-dependent coding of affect in the human brain](#)

Lettieri, G., Handjaras, G., Cappello, E. M., Setti, F., Bottari, D., Bruno, V., ... & Cecchetti, L. (2024). Dissecting abstract, modality-specific and experience-dependent coding of affect in the human brain. *Science Advances*, 10(10), eadk6840.

[2023] [How Male and Female Literary Authors Write About Affect Across Cultures and Over Historical Periods](#)

Lettieri, G., Handjaras, G., Bucci, E., Pietrini, P., Cecchetti, L. (2023). How Male and Female Literary Authors Write About Affect Across Cultures and Over Historical Periods. *Affective Science* (2023).

[2023] [Information load dynamically modulates functional brain connectivity during narrative listening](#)

Mastrandrea, R., Cecchetti, L., Lettieri, G. *et al.* (2023). Information load dynamically modulates functional brain connectivity during narrative listening. *Scientific Reports* 13, 8110.

[2022] [The structure underlying core affect and perceived affective qualities of human vocal bursts](#)

Grollero, D., Petrolini, V., Viola, M., Morese, R., Lettieri, G., & Cecchetti, L. (2022). The structure underlying core affect and perceived affective qualities of human vocal bursts. *Cognition and Emotion*, 1-17.

[2022] [The contribution of shape features and demographic variables to disembedding abilities](#)

Cappello EM, Lettieri G, Malizia AP, d'Arcangelo S, Handjaras G, Lattanzi N, Ricciardi E, Cecchetti L. (2022). The Contribution of Shape Features and Demographic Variables to Disembedding Abilities. *Frontiers in Psychology*. 13:798871.

[2021] [Default and control network connectivity dynamics track the stream of affect at multiple timescales](#)

Lettieri, G., Handjaras, G., Setti, F., Cappello, E. M., Bruno, V., Diano, M., ... & Cecchetti, L. (2021). Default and control networks

connectivity dynamics track the stream of affect at multiple timescales. *Social cognitive and affective neuroscience*, nsab112.

[2021] [Emotion Regulation Failures Are Preceded by Local Increases in Sleep-like Activity](#)

Avvenuti, G., Bertelloni, D., Lettieri, G., Ricciardi, E., Cecchetti, L., Pietrini, P., & Bernardi, G. (2021). Emotion Regulation Failures Are Preceded by Local Increases in Sleep-like Activity. *Journal of Cognitive Neuroscience*, 1-15.

[2021] [The case for preregistering all region of interest \(ROI\) analyses in neuroimaging research](#)

Gentili, C., Cecchetti, L., Handjaras, G., Lettieri, G., & Cristea, I. A. (2021). The case for preregistering all region of interest (ROI) analyses in neuroimaging research. *European Journal of Neuroscience* 53 (2), 357-361

[2019] [**Emotionotopy in the human right temporo-parietal cortex**](#)

Lettieri, G., Handjaras, G., Ricciardi, E., Leo, A., Papale, P., Betta, M., ... & Cecchetti, L. (2019). Emotionotopy in the human right temporo-parietal cortex. *Nature communications*, 10(1), 1-13.

[2019] [**ROI and phobias: The effect of ROI approach on an ALE meta-analysis of specific phobias**](#)

Gentili, C., Messerotti Benvenuti, S., Lettieri, G., Costa, C., & Cecchetti, L. (2019). ROI and phobias: The effect of ROI approach on an ALE meta-analysis of specific phobias. *Human brain mapping*, 40(6), 1814-1828.

[2019] [**Brain Hemodynamic Intermediate Phenotype Links Vitamin B12 to Cognitive Profile of Healthy and Mild Cognitive Impaired Subjects**](#)

Cecchetti, L., Lettieri, G., Handjaras, G., Leo, A., Ricciardi, E., Pietrini, P., ... & Train the Brain Consortium. (2019). Brain Hemodynamic Intermediate Phenotype Links Vitamin B12 to Cognitive Profile of Healthy and Mild Cognitive Impaired Subjects. *Neural plasticity*, 2019.

[2019] [**Predictive value of EEG connectivity measures for motor training outcome in multiple sclerosis: an observational longitudinal study**](#)

Tramonti, C., Imperatori, L. S., Fanciullacci, C., Lamola, G., Lettieri, G., Bernardi, G., ... & Chisari, C. (2018). Predictive value of electroencephalography connectivity measures for motor training outcome in multiple sclerosis: an observational longitudinal study. *European Journal of Physical and Rehabilitation Medicine*, 55(6), 743-753.

[2016] [**Differential Impairment of Cognitive and Affective Mentalizing Abilities in Neurodegenerative Dementias: Evidence from Behavioral Variant of Frontotemporal Dementia, Alzheimer's Disease, and Mild Cognitive Impairment**](#)

Dodich, A., Cerami, C., Crespi, C., Canessa, N., Lettieri, G., Iannaccone, S., ... & Cacioppo, J. T. (2016). Differential impairment of cognitive and affective mentalizing abilities in neurodegenerative dementias: evidence from behavioral variant of frontotemporal dementia, Alzheimer's disease, and mild cognitive impairment. *Journal of Alzheimer's disease*, 50(4), 1011-1022.

[2016] [**Different FDG-PET metabolic patterns at single-subject level in the behavioral variant of fronto-temporal dementia**](#)

Cerami, C., Dodich, A., Lettieri, G., Iannaccone, S., Magnani, G., Marcone, A., ... & Perani, D. (2016). Different FDG-PET metabolic patterns at single-subject level in the behavioral variant of fronto-temporal dementia. *Cortex*, 83, 101-112.

[2015] [**A novel task assessing intention and emotion attribution: Italian standardization and normative data of the Story-based Empathy Task**](#)

Dodich, A., Cerami, C., Canessa, N., Crespi, C., Iannaccone, S., Marcone, A., Realmuto, S., Lettieri, G., Perani, D., & Cappa, S. F. (2015). A novel task assessing intention and emotion attribution: Italian standardization and normative data of the Story-based Empathy Task. *Neurological Sciences*, 36(10), 1907-1912.

[2015] [**Right limbic FDG-PET hypometabolism correlates with emotion recognition and attribution in probable behavioral variant of frontotemporal dementia patients**](#)

Cerami, C., Dodich, A., Iannaccone, S., Marcone, A., Lettieri, G., Crespi, C., ... & Perani, D. (2015). Right limbic FDG-PET hypometabolism correlates with emotion recognition and attribution in probable behavioral variant of frontotemporal dementia patients. *PLoS One*, 10(10), e0141672.

H-index: 9

Number of citations: 490

PREPRINTS

HABEMO: haptic bodily maps of emotions

Lettieri, G., Calce, R. P., & Collignon, O. (2023). PsyArXiv [pre-print], DOI: 10.31234/osf.io/c5g8x

Brain structure reflects empathy and psychopathy in incarcerated males

Radecki, M. A., Sampaolo, E., Lettieri, G., Handjaras, G., Harenski, C. L., Palumbo, S., ... & Cecchetti, L. (2023). Brain structure reflects empathy and psychopathy in incarcerated males. *bioRxiv*, 2023-06. <https://doi.org/10.1101/2023.06.14.543399>

HONOURS AND AWARDS

[07/02/2021]

MSCA-IF Fellowship (call H2020-MSCA-IF-2020) - Awarding institution: European Commission

LEAS - Looking for Emotions in the Absence of Sight; Project ID: 101026032

[11/2020]

Junior Researcher Award - Awarding institution: SIFP

Award for the best contribution in neuroscience and psychophysiology from a young researcher under 30 years old

[06/2019]

Merit Award - Awarding institution: Organization for Human Brain Mapping

25th Annual meeting of the Organization for Human Brain Mapping - OHBM (Rome, Italy). Abstract title: "Emotional experience timecourse explains brain connectivity dynamics during naturalistic stimulation".

[05/2019]

Best Poster Award - Awarding institution: SANS

12th Annual meeting of the Social and Affective Neuroscience Society - SANS (Miami - FL, US). Abstract title: "Emotionotopy: gradients encode emotion dimensions in right temporo-parietal territories".

[11/2018]

Best Scientific Contribution - Awarding institution: SIFP

26th annual meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience - SIFP (Turin, Italy). Abstract title: "Perceived emotional experience explains brain activity elicited by an emotionally-charged movie".

PROJECTS

[30/11/2021 – Current]

LEAS - Looking for Emotions in the Absence of Sight

Funding Institution: European Commission

Total funding: € 166,320.00

CONFERENCES AND SEMINARS

[22/05/2024 – 25/05/2024]

Bodily representation of emotions in blind people European Society for Cognitive and Affective Neuroscience meeting

Symposium "*Embodied emotions: exploring the dynamic interplay of bodily sensations and feelings*"

Chairs: Dr. Giada Lettieri & Dr. Giuseppina Porciello, Ghent

[18/09/2023 – 20/09/2023]

How vision impacts the bodily representation of emotions XXIX Congresso dell'Associazione Italiana di Psicologia - Sezione Sperimentale

Symposium "*Mapping emotions from the brain to the guts*" in Lucca

[27/06/2023 – 30/06/2023]

Bodily representation of emotions in blind people International Multisensory Research Forum

Oral presentation at IMRF 2023 in Brussels

[15/09/2022 – 17/09/2022]

Looking for emotions in the absence of sight: how sensory deprivation impacts affective experience

Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience

Symposium "*Mapping social cognition in the healthy and pathological brain*"

Chairs: Dr. Luca Cecchetti & Dr. Giada Lettieri, Udine

- [19/06/2022 – 23/06/2022] **The representation of affect in vmPFC and pSTG is independent from sensory modality and experience**
Annual Meeting of the Organization for Human Brain Mapping
Oral presentation at OHBM 2022 in Glasgow
- [10/06/2022] **Brain connectivity of right temporo-parietal and frontal regions reflects dynamic properties of the affective experience**
Consortium of European Research on Emotion
Oral presentation at CERE 2022 in Granada
- [02/06/2022 – 03/06/2022] **The representation of affect in vmPFC and pSTG is independent from sensory modality and experience**
Annual Meeting of the Belgian Association of Psychological Sciences
Oral presentation at BAPS 2022 in Leuven
- [11/10/2021] **Ti si legge in faccia! Come il volto racconta ciò che proviamo**
Intesa San Paolo Innovation Center
Invited talk
- [29/09/2021 – 01/10/2021] **The categorical representation of affect in ventromedial prefrontal cortex is independent from the sensory modality and visual experience**
Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience
Oral presentation at SIPF 2021 in Palermo
- [16/06/2021] **Data sharing di dati comportamentali e di neuroimmagine nelle neuroscienze affettive e sociali**
Think Open Rovereto Symposium 2021
Invited talk by CIMeC - Centro Interdipartimentale Mente/Cervello, Università di Trento
- [12/04/2021 – 15/04/2021] **A network-based hierarchical taxonomy of affect from language**
Annual Meeting of the Society for Affective Science
Oral presentation at SAS 2021 online - Abstract Selected among the top 20% for publication in the Affective Science journal
- [09/04/2021 – 12/04/2021] **Chronotopic encoding of emotional dimensions in the human brain assessed by fMRI**
European Congress of Psychiatry
Oral presentation at EPA 2021 online
- [27/11/2020] **Emotionotopy in the human right temporo-parietal cortex**
Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience
Oral presentation at SIPF 2020 online - **Junior Researcher Award**
- [08/06/2019 – 12/06/2019] **Emotional experience timecourse explains brain connectivity dynamics during naturalistic stimulation**
Annual Meeting of the Organization for Human Brain Mapping
Oral presentation at OHBM 2019 in Rome - **Merit Award**
- [14/11/2018 – 16/11/2018] **Perceived emotional experience explains brain activity elicited by an emotionally-charged movie in an independent sample**
Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience
Oral presentation at SIPF 2018 in Turin - **Best Scientific Contribution**

[16/06/2018 – 20/06/2018] **Emotions induced by naturalistic stimuli explain right hemisphere activity in an independent sample**
Annual Meeting of the Organization for Human Brain Mapping
Oral presentation at OHBM 2018 in Singapore

POSTERS (SELECTION)

[19/06/2022 – 23/06/2022] **The representation of affect in vmPFC and pSTG is independent from sensory modality and experience**

28th Annual meeting of the Organization for Human Brain Mapping - OHBM (Glasgow - SC)

[23/11/2021 – 24/11/2021] **The categorical representation of affect in ventromedial prefrontal cortex is independent from the sensory modality and visual experience**

NEUROCOG conference (Louvain-la-Neuve - BE)

[09/06/2019 – 13/06/2019] **Emotional experience timecourse explains brain connectivity dynamics during naturalistic stimulation**

25th Annual meeting of the Organization for Human Brain Mapping - OHBM (Rome - IT)

[02/05/2019 – 04/05/2019] **Emotionotopy: gradients encode emotion dimensions in right temporo-parietal territories**

12th Annual meeting of the Social and Affective Neuroscience Society - SANS (Miami - FL, US). **Best poster Award.**

[17/06/2018 – 21/06/2018] **Emotions induced by naturalistic stimuli explain right hemisphere activity in an independent sample**

24th Annual meeting of the Organization for Human Brain Mapping - OHBM (Singapore - SING)

CONFERENCES ORGANIZATION

[27/06/2023 – 30/06/2023] **21st International Multisensory Research Forum**

Organizing committee for the international conference IMRF 2023 in Brussels, Belgium.

IMRF is dedicated to the study of how the senses combine and (re)organize in the mind, brain, and computational models.

[18/09/2023 – 20/09/2023] **XXIX Congresso AIP - Sezione Sperimentale**

Organizing committee for the national conference AIP - Sezione Sperimentale 2023 in Lucca, Italy.

AIP - Sezione Sperimentale is the biggest Italian organization for the promotion of experimental psychology.

MEMBERSHIP IN SCIENTIFIC SOCIETIES

[05/2024 – Current] **European Society for Cognitive and Affective Neuroscience (ESCAN)**

<https://escaneurosci.eu/>

[05/2023 – Current] **Associazione Italiana di Psicologia (AIP)**

<https://aipass.org/>

[06/2022 – Current] **Belgian Association of Psychological Sciences (BAPS)**

<https://www.baps.be/>

[09/2021 – Current] **Italian Reproducibility Network (ITRN)**

Local Network Lead of IMT School for Advanced Studies Lucca

<https://www.itrn.org/community>

[05/2018 – Current] **Organization for Human Brain Mapping (OHBM)**

<https://www.humanbrainmapping.org/>

[09/2017 – Current] **Società Italiana di Psicofisiologia e Neuroscienze Cognitive (SIPF)**

<https://www.sipf.it/>

EDITORIAL FUNCTION

Reviewer for:

Scientific Data; <https://www.nature.com/sdata/>

Scientific Reports; <https://www.nature.com/srep/>

Neural Plasticity; <https://www.hindawi.com/journals/np/>

Emotion Science; <https://www.frontiersin.org/journals/psychology/sections/emotion-science>

Brain Sciences; <https://www.mdpi.com/journal/brainsci>

Behavioral Sciences; <https://www.mdpi.com/journal/behavsci>

f1000; <https://f1000research.com>

SUPERVISION AND MENTORING

[01/09/2021 – 30/09/2022] **MSc Thesis Co-Advisor**

Thesis Co-Advisor of Ms. Alessia Greco, Master's Degree in Clinical and Health Psychology, University of Pisa.

Thesis title: "L'influenza del genere e dell'identità di genere sulla rappresentazione corporea delle emozioni".

[03/09/2020 – 27/09/2021] **MSc Thesis Co-Advisor**

Thesis Co-Advisor of Ms. Erika Bucci, Master's Degree in Clinical and Health Psychology, University of Pisa.

Thesis title: "Un approccio psicolinguistico alla semantica degli stati mentali cognitivi e affettivi".

[01/09/2019 – 25/11/2020] **MSc Thesis Co-Advisor**

Thesis Co-Advisor of Mr. Lorenzo Papi, Master's Degree in Clinical and Health Psychology, University of Pisa.

Thesis title: "L'associazione tra indici cardiovascolari, valutazione neuropsicologica e caratteristiche morfologiche cerebrali in un campione di soggetti anziani".

[17/12/2018 – 26/11/2019] **BSc Thesis Co-Advisor**

Thesis Co-Advisor of Ms. Giulia Cicconi, Bachelor's Degree in Sciences and Techniques of Clinical and Health Psychology,

University of Pisa.

Thesis title: "Emozioni, empatia e teoria della mente: teorie, assessment e correlati neurali".

INSTITUTIONAL AND EVALUATION ACTIVITIES

[21/09/2024]

Member of the Selection Committee for two Research Fellowships in "Bittersweet, Ancient and Modern (BAM!): Mixed Affect in Emotional Experience from Plato to Brain Imaging"

IMT School for Advanced Studies Lucca

[31/08/2021 – Current]

Member of the Selection Committee of the Cognitive Computational and Social Neuroscience Ph.D. Track

IMT School for Advanced Studies Lucca (XXXVII cycle; XL cycle)

[28/02/2022]

Member of the Selection Committee for two Research Fellowships in "Management and analysis of brain and behavioral data collected in stroke patients"

IMT School for Advanced Studies Lucca

MEDIA COVERAGE AND PRESS RELEASE

International Newspapers/Press Agencies

1. <https://www.eurekalert.org/news-releases/804217>
2. <https://digest.bps.org.uk/2020/03/05/emotions-are-represented-in-the-brain-in-a-surprisingly-similar-way-to-visual-information-study-argues/>
3. <https://neurosciencenews.com/emotion-brain-mapping-15561/>
4. <https://www.brainpost.co/weekly-brainpost/2019/12/10/overlapping-emotion-gradients-in-the-human-temporo-parietal-cortex>
5. <https://www.iflscience.com/brain/one-tiny-part-brain-may-hold-all-emotions/>
6. <https://www.medicalnewstoday.com/articles/the-place-of-emotions>
7. <https://www.news-medical.net/news/20200124/A-small-region-of-the-brain-represents-all-our-emotions.aspx>
8. <https://www.technologynetworks.com/tn/news/the-place-of-emotions-in-the-brain-329786>
9. <https://bioengineer.org/the-place-of-emotions/>
10. <https://www.pourquoidocteur.fr/Articles/Question-d-actu/31521-Ou-cerveau-humain-sauve-t-il-emotions>
11. <https://www.diariodasaude.com.br/news.php?article=mapa-das-emocoes-cerebro&id=13901>
12. <https://www.intramed.net/contenidover.asp?contenidoid=95402>
13. <https://www.optimistdaily.com/2020/01/how-forrest-gump-is-helping-scientists-understand-human-emotion/>

Italian Newspapers/Press Agencies

1. https://www.ansa.it/canale_scienza_tecnica/notizie/biotech/2019/12/10/cervello-trovata-la-mappa-delle-emozionigratie-a-forrest-gump_e2ce687c-fc5a-44f0-8766-1401f40a8d10.html
2. <https://tg24.sky.it/scienze/2019/12/07/cervello-emozioni-forrest-gump>
3. https://www.lescienze.it/pubblicazioni/2020/01/07/news/emotionotopy_in_the_human_right_temporo-parietal_cortex-4654313/?rss
4. <https://scienze.fanpage.it/svelata-la-mappa-delle-emozioni-nel-cervello-grazie-al-film-cult-forrest-gump/>
5. https://www.today.it/partner/adnkronos/salute/ricerca-scoperta-area-del-cervello-che-raccoglie_mappa_delle-emozioni.html
6. <https://www.lanazione.it/lucca/cronaca/mappa-dei-sensi-premio-sipf-a-giada-lettieri-1.5775760>
7. <https://iltirreno.gelocal.it/lucca/cronaca/2019/12/17/news/giovane-e-innamorata-della-ricerca-vi-dico-dov-e-la-cassaforte-della-felicita-1.38224781>
8. <https://www.brainfactor.it/emozioni-trovata-la-mappa-corticale/>
9. <https://www.gonews.it/2018/07/01/imt-lucca-la-psicologa-giada-lettieri-premiata-a-singapore/>
10. <https://www.luccaindiretta.it/in-sociale/2021/02/19/scuola-imt-giada-lettieri-vince-la-borsa-di-ricerca-marie-curie/222847/>

I give consent to process my data with the purpose of the recruitment process, in accordance to the Regulation of the European Parliament 679/2016, regarding the protection of natural persons and free movement of such data

