

GIULIO GABRIELI, PH.D.

Postdoctoral researcher

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ACADEMIC APPOINTMENTS

Postdoctoral Researcher

Istituto Italiano di Tecnologia

📅 January 2022 – Ongoing 📍 Rome, Italy

Center for Life Nano- & Neuro-Science (CLNS)

Lecturer

Vrije Universiteit Amsterdam

📅 January 2024 – July 2024 📍 Amsterdam, Netherlands

Faculty of Social Sciences, Communication Science

EDUCATION

Ph.D. in Psychology

Nanyang Technological University

📅 January 2019 – January 2022 📍 Singapore, Singapore

School of Social Sciences (SSS)

CGPA: 4.83 / 5.0

GPA: 3.90 / 4.0

MSc in Human-Computer Interaction

University of Trento

📅 September 2016 - July 2018 📍 Trento, Italy

Department of Psychology and Cognitive Science (DIPSCO)

Department of Information Engineering and Computer Science (DISI)

GPA: 3.64 / 4.0

110/110 with honors

BSc in Interfaces and Communication Technology

University of Trento

📅 September 2013 - September 2016 📍 Trento, Italy

Department of Psychology and Cognitive Science (DIPSCO)

GPA: 3.63 / 4.0

110/110 with honors

Erasmus+

Nagasaki University

📅 October 2016 - March 2017 📍 Nagasaki, Japan

Graduate School of Biomedical Sciences

Summer Research Internship

Nanyang Technological University

📅 June 2016 - July 2016 📍 Singapore, Singapore

CODING

Python Google Cloud Javascript
Flutter LaTeX C Java Docker
SQL HTML CSS Git PHP
Angular JS Node JS MATLAB R
JQuery

PROFILES

Website://giulio.gabrieli.it

Orcid://[0000-0002-9846-5767](https://orcid.org/0000-0002-9846-5767)

Researchgate://[Giulio_Gabrieli](https://www.researchgate.net/profile/Giulio-Gabrieli)

Web of Science://[Giulio Gabrieli](https://www.webofscience.com/author/uri/uri%3Ahttps%3A%2F%2Fwww.researchgate.net/profile/Giulio-Gabrieli)

GitHub://[Gabrock94](https://github.com/Gabrock94)

GitLab://[gack94](https://gitlab.com/gack94)

Unsplash://[@giulio.gabrieli](https://unsplash.com/@giulio.gabrieli)

Untappd://[GiulioGabrieli](https://untappd.com/profile/GiulioGabrieli)

CERTIFICATIONS

Thesis supervision Communication
Science VJ24

Vrije Universiteit Amsterdam

📅 2024

Human Subjects Research - Social &
Behavioral Research

CITI Program

📅 2022

Child First Aid Provider, Standard
First Aid Provider, BCLS+AED
Provider

Singapore Red Cross Academy

📅 2019-2021

Human Subjects Research - Social &
Behavioral Research

CITI Program

📅 2019

Child & Infant First Aid Provider
Course

Singapore Red Cross Academy

📅 2019-2021

Python 3 - Medium level

SkillValue

📅 2018

High School Diploma in Chemistry with specialization in Food Technology

I.T.I.S. G. Ferraris

📅 September 2008 - June 2013

📍 Verona, Italy

TEACHING EXPERIENCE

Teaching Assistant

HP2700: Abnormal Psychology

📅 2020-2021

📍 Nanyang Technological University, Singapore

Teaching Assistant

HP4222-7237: The Neuroscience of Love

📅 2019-2020

📍 Nanyang Technological University, Singapore

Teaching Assistant

HP4021: Laboratory in Human and Animal Neuroscience

📅 2019-2020

📍 Nanyang Technological University, Singapore

EXPERIENCE

Data Entry

Hellas Verona F.C. s.p.a

📅 June 2014 - December 2018

📍 Verona, Italy

IT support and digital tickets management.

Research assistant

Affiliative Behaviour and Physiology Lab

📅 June 2018 - September 2018

📍 University of Trento

Data analysis, manuscript preparation, speaker at scientific meetings.

Scientific Meeting Organization

University of Trento

📅 June 2017 - August 2017

📍 University of Trento

Website design and IT support for 13th International Infant Cry Workshop.

VOLUNTEER WORK

Volunteer

Linux App Summit 2020, 2021, 2022

Ambassador

GitKraken

Translator

Raspberry Pi Foundation

Ambassador

Researcher App

AWARDS

Special Mention

NTU Open Research Awards 2022

📅 2 November 2022

📍 Singapore, Singapore

1st place

UX Challenge

📅 1-2 December 2017

📍 Trento, Italy

Merit Award 2018

University of Trento

📅 2018

📍 Trento, Italy

OTHER POSITIONS

Vice-President

School of Social Sciences' Graduate Student Club, 3th, 4th, and 5th Committee

📅 2019 - 2022

📍 Singapore, Singapore

Data Protection Officer

School of Social Sciences' Graduate Student Club, 4th Committee

📅 2020 - 2022

📍 Singapore, Singapore

2025

- **Gabrieli, G., Somervail, R., Mouraux, A., Leandri, M., Haggard, P., & Iannetti, G. D. (2025).** Electrical spinal imaging (esi): Analysing spinal cord activity with non-invasive, high-resolution mapping. *bioRxiv*, 2025–03. <https://www.biorxiv.org/content/10.1101/2025.03.17.643665v1>.

2023

- Lee, A., Carollo, A., Stanzione, A. M., Fong, S., **Gabrieli, G.**, & Esposito, G. (2023). Culture and the assumptions about appearance and reality: A scientometric look at a century of research. *Frontiers in Psychology*, 14, 1140298. <https://www.frontiersin.org/articles/10.3389/fpsyg.2023.1140298/>.
- Neoh, M. J. Y., Bizzego, A., Teng, J. H., **Gabrieli, G.**, & Esposito, G. (2023). Neural processing of sexist comments: Associations between perceptions of sexism and prefrontal activity. *Brain Sciences*, 13(4), 529. <https://doi.org/10.3390/brainsci13040529>.
- Hayton, J., Azhari, A., Esposito, G., Iles, R., Chadiarakos, M., **Gabrieli, G.**, Dimitriou, D., & Mangar, S. (2023). Lack of diurnal variation in salivary cortisol is linked to sleep disturbances and heightened anxiety in adolescents with williams syndrome. *Behavioral Sciences*, 13(3), 220. <https://doi.org/10.3390/bs13030220>.
- Bizzego, A., **Gabrieli, G.**, Lim, M., Rothenberg, W. A., Bornstein, M. H., & Esposito, G. (2023). Predictors of early childhood development: A machine learning approach, 210–239. <https://doi.org/10.14324/111.444/ucloe.000051>.

2022

- Carollo, A., Bizzego, A., **Gabrieli, G.**, Wong, K. K.-Y., Raine, A., & Esposito, G. (2022). Self-perceived loneliness and depression during the covid-19 pandemic: A two-wave replication study. *UCL Open Environment*. <https://doi.org/10.14324/111.444/ucloe.000051>.
- Bizzego, A., **Gabrieli, G.**, Azhari, A., Lim, M., & Esposito, G. (2022). Dataset of parent-child hyperscanning functional near-infrared spectroscopy recordings. *Scientific Data*, 9(1), 1–8. <https://doi.org/10.1038/s41597-022-01751-2>.
- Bin Eid, W., Lim, M., **Gabrieli, G.**, Kölbel, M., Halstead, E., Esposito, G., & Dimitriou, D. (2022a). Habilitation of sleep problems among mothers and their children with autism spectrum disorder: Insights from multi-level exploratory dyadic analyses. *Frontiers in Rehabilitation Sciences*, 3. <https://doi.org/10.3389/fresc.2022.915060>.
- Bizzego, A., Neoh, M., **Gabrieli, G.**, & Esposito, G. (2022). A machine learning perspective on fnirs signal quality control approaches. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 30, 2292–2300. <https://doi.org/10.1109/TNSRE.2022.3198110>.
- Carollo, A., Fong, S., **Gabrieli, G.**, Mulatti, C., & Esposito, G. (2022). To wine or not to wine? a scientometric approach to 65+ years of wine preference and selection studies. *British Food Journal*, (ahead-of-print). <https://doi.org/10.1108/BFJ-01-2022-0011>.
- Carollo, A., Stanzione, A. M., Fong, S., **Gabrieli, G.**, Lee, A., & Esposito, G. (2022). A scientometric approach to study culture and the assumptions about appearance and reality. <https://doi.org/10.31234/osf.io/x9ynh>.
- Bonassi, A., Cataldo, I., **Gabrieli, G.**, Tandiono, M., Foo, J. N., Lepri, B., & Esposito, G. (2022). The interaction between serotonin transporter allelic variation and maternal care modulates instagram sociability in a sample of singaporean users. *International Journal of Environmental Research and Public Health*, 19(9), 5348. <https://doi.org/10.3390/ijerph19095348>.
- Cataldo, I., Lieu, A. A., Carollo, A., Bornstein, M. H., **Gabrieli, G.**, Lee, A., & Esposito, G. (2022). From the cradle to the web: The growth of “sharenting”—a scientometric perspective. *Human Behavior and Emerging Technologies*, 2022. <https://doi.org/10.1155/2022/5607422>.
- Bin Eid, W., Lim, M., **Gabrieli, G.**, Kölbel, M., Halstead, E., Esposito, G., & Dimitriou, D. (2022b). Alterations in cortisol profiles among mothers of children with asd related to poor child sleep quality. *Healthcare*, 10(4), 666. <https://doi.org/10.3390/healthcare10040666>.
- **Gabrieli, G.**, Bornstein, M. H., Setoh, P., & Esposito, G. (2022). Machine learning estimation of users’ implicit and explicit aesthetic judgments of web-pages. *Behaviour & Information Technology*, 1–11. <https://doi.org/10.1080/0144929X.2021.2023635>.

2021

- Alonso-Campuzano, C., Iandolo, G., Mazzeo, M. C., Sosa González, N., Neoh, M. J. Y., Carollo, A., **Gabrieli, G.**, & Esposito, G. (2021). Children’s online collaborative storytelling during 2020 covid-19 home confinement. *European*

journal of investigation in health, psychology and education, 11(4), 1619–1634.

<https://doi.org/10.3390/ejihpe11040115>.

- Bizzego, A., **Gabrieli**, G., Neoh, M. J. Y., & Esposito, G. (2021). Improving the efficacy of deep-learning models for heart beat detection on heterogeneous datasets. *Bioengineering*, 8(12), 193. <https://doi.org/10.3390/bioengineering8120193>.
- Carollo, A., Bizzego, A., **Gabrieli**, G., Wong, K. K.-Y., Raine, A., & Esposito, G. (2021). I'm alone but not lonely. u-shaped pattern of self-perceived loneliness during the covid-19 pandemic in the uk and greece. *Public Health in Practice*, 100219. <https://doi.org/10.1016/j.puhip.2021.100219>.
- **Gabrieli**, G., & Esposito, G. (2021a). Reduced perceived trustworthiness during face mask wearing. *European Journal of Investigation in Health, Psychology and Education*, 11(4), 1474–1484. <https://doi.org/10.3390/ejihpe11040105>.
- Carollo, A., Bonassi, A., Cataldo, I., **Gabrieli**, G., Tandiono, M., Foo, J. N., Lepri, B., & Esposito, G. (2021). The relation between oxytocin receptor gene polymorphisms, adult attachment and instagram sociability: An exploratory analysis. *Heliyon*, 7(9), e07894. <https://doi.org/10.1016/j.heliyon.2021.e07894>.
- Navarini, N., Venturoso, L., **Gabrieli**, G., Truzzi, A., Lim, M., Setoh, P., & Esposito, G. (2021). The influence of baby schema effect and mere exposure effect on implicit and explicit face processing: A follow-up study. *Experimental Psychology (Russia)*, 14(2), 124–140. <https://doi.org/10.17759/exppsy.2021140209>.
- **Gabrieli**, G., Bizzego, A., Neoh, M. J. Y., & Esposito, G. (2021). Fnirs-qc: Crowd-sourced creation of a dataset and machine learning model for fnirs quality control. *Applied Sciences*, 11(20), 9531. <https://doi.org/10.3390/app11209531>.
- **Gabrieli**, G., Lim, Y. Y., & Esposito, G. (2021a). Influences of social distancing and attachment styles on the strength of the halo effect. *PloS one*, 16(8), e0256364. <https://doi.org/10.1371/journal.pone.0256364>.
- Carollo, A., Bonassi, A., Lim, M., **Gabrieli**, G., Setoh, P., Dimitriou, D., Aryadoust, V., & Esposito, G. (2021). Developmental disabilities across the world: A scientometric review from 1936 to 2020. *Research in Developmental Disabilities*, 117, 104031. <https://doi.org/10.1016/j.ridd.2021.104031>.
- **Gabrieli**, G., Ng, S., & Esposito, G. (2021a). Hacking trust: The presence of faces on automated teller machines (atms) affects trustworthiness. *Behavioral Sciences*, 11(6), 91. <https://doi.org/10.3390/bs110600915>.
- Ng, X., Ng, L. Y., **Gabrieli**, G., Azhari, A., Neoh, M. J. Y., & Esposito, G. (2021). An fnirs investigation of masculinity, femininity and sex on nonparents' empathic response to infant cries. *Brain Sciences*, 11(5), 635. <https://doi.org/10.3390/brainsci11050635>.
- **Gabrieli**, G., Low, W. Y. G., Carollo, A., & Esposito, G. (2021). Campaign trail cliché: An analysis of u.s. politicians photo-taking behavior with children. *PsyArXiv*. <https://psyarxiv.com/kg6xw/>.
- Bonassi, A., Ghilardi, T., **Gabrieli**, G., Truzzi, A., Borelli, J. L., Lepri, B., Shinohara, K., Esposito, G., et al. (2021). The recognition of cross-cultural emotional faces is affected by intensity and ethnicity in a japanese sample. *Behavioral Sciences*, 11(5), 59. <https://www.mdpi.com/2076-328X/11/5/59>.
- Bizzego, A., **Gabrieli**, G., & Esposito, G. (2021). Deep neural networks and transfer learning on a multivariate physiological signal dataset. *Bioengineering*, 8(3), 35. <https://doi.org/10.3390/bioengineering8030035>.
- **Gabrieli**, G., Lee, A., Setoh, P., & Esposito, G. (2021). An analysis of the generalizability and stability of the halo effect during the covid-19 pandemic outbreak. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2021.631871>.
- Bizzego, A., **Gabrieli**, G., Azhari, A., Setoh, P., & Esposito, G. (2021). Computational methods for the assessment of empathic synchrony. In *Progresses in artificial intelligence and neural systems* (pp. 555–564). Springer.
- Bizzego, A., **Gabrieli**, G., Bornstein, M. H., Deater-Deckard, K., Lansford, J. E., Bradley, R. H., Costa, M., & Esposito, G. (2021). Predictors of contemporary under-5 child mortality in low- and middle-income countries: A machine learning approach. *International Journal of Environmental Research and Public Health*, 18(3). <https://doi.org/10.3390/ijerph18031315>.

2020

- Bonassi, A., Cataldo, I., **Gabrieli**, G., Foo, J. N., Lepri, B., & Esposito, G. (2020). Oxytocin receptor gene polymorphisms and early parental bonding interact in shaping instagram social behavior. *International Journal of Environmental Research and Public Health*, 17(19), 7232. <https://doi.org/10.3390/ijerph17197232>.
- Bizzego, A., Azhari, A., Campostrini, N., Truzzi, A., Ng, L. Y., **Gabrieli**, G., Bornstein, M. H., Setoh, P., & Esposito, G. (2020). Strangers, friends, and lovers show different physiological synchrony in different emotional states. *Behavioral Sciences*, 10(1), 11. <https://doi.org/10.3390/bs10010011>.
- **Gabrieli**, G., Bornstein, M. H., Manian, N., & Esposito, G. (2020). Assessing mothers' post-partum depression from their infants' cry vocalizations. *Behavioral Sciences*, 10(2), 55. <https://doi.org/10.3390/bs10020055>.
- Azhari, A., **Gabrieli**, G., Bizzego, A., Bornstein, M. H., & Esposito, G. (2020a). Maternal anxious attachment style is associated with reduced mother-child brain-to-brain synchrony. *bioRxiv*. <https://doi.org/10.1101/2020.01.23.917641>.
- Bonassi, A., Cataldo, I., **Gabrieli**, G., Tandiono, M., Foo, J. N., Lepri, B., & Esposito, G. (2020). The interaction

between serotonin transporter allelic variation and maternal care modulates sociability on instagram. *PsyArXiv*. <https://doi.org/10.31234/osf.io/dkvnf>.

- Azhari, A., Lim, M., Bizzego, A., **Gabrieli, G.**, Bornstein, M. H., & Esposito, G. (2020a). Physical presence of spouse enhances brain-to-brain synchrony in co-parenting couples. *Scientific Reports*, 10(1), 1–11. <https://doi.org/10.1038/s41598-020-63596-2>.
- Azhari, A., Wong, A. W. T., Lim, M., Balagtas, J. P. M., **Gabrieli, G.**, Setoh, P., & Esposito, G. (2020). Parents' past bonding experience with their parents interacts with current parenting stress to influence the quality of interaction with their child. *Behavioral Sciences*, 10(7), 114. <https://doi.org/10.3390/bs10070114>.
- Durnford, J. R., Balagtas, J. P. M., Azhari, A., Lim, M., **Gabrieli, G.**, Bizzego, A., & Esposito, G. (2020). Presence of parent, gender and emotional valence influences preschoolers' pfc processing of video stimuli. *Early Child Development and Care*, 1–11. <https://doi.org/10.1080/03004430.2020.1832997>.
- Bizzego, A., Lim, M., Schiavon, G., Setoh, P., **Gabrieli, G.**, Dimitriou, D., & Esposito, G. (2020). Child disability and caregiving in low and middle income countries: Big data approach on open data. *Research in Developmental Disabilities*, 107, 103795. <https://doi.org/10.1016/j.ridd.2020.103795>.
- Bizzego, A., **Gabrieli, G.**, Furlanello, C., & Esposito, G. (2020). Comparison of wearable and clinical devices for acquisition of peripheral nervous system signals. *Sensors*, 20(23), 6778. <https://doi.org/10.3390/s20236778>.
- Carollo, A., Bonassi, A., Cataldo, I., **Gabrieli, G.**, Tandiono, M., Foo, J. N., Lepri, B., & Esposito, G. (2020). The relation between oxytocin receptor gene polymorphisms, adult attachment and instagram sociability: An exploratory analysis. *PsyArXiv*. <https://doi.org/10.31234/osf.io/yc538>.
- Azhari, A., Lim, M., Bizzego, A., **Gabrieli, G.**, Bornstein, M. H., & Esposito, G. (2020b). Physical presence of spouse enhances brain-to-brain synchrony in co-parenting couples. *Scientific Reports (Nature Publisher Group)*, 10(1). <https://doi.org/10.1038/s41598-020-63596-2>.
- **Gabrieli, G.**, Balagtas, J. P. M., Esposito, G., & Setoh, P. (2020). A machine learning approach for the automatic estimation of fixation-time data signals' quality. *Sensors*, 20(23), 6775. <https://doi.org/10.3390/s20236775>.
- Azhari, A., **Gabrieli, G.**, Bizzego, A., Bornstein, M. H., & Esposito, G. (2020b). Probing the association between maternal anxious attachment style and mother-child brain-to-brain coupling during passive co-viewing of visual stimuli. *Attachment & human development*, 1–16. <https://doi.org/10.1080/14616734.2020.1840790>.
- **Gabrieli, G.**, Azhari, A., & Esposito, G. (2020). Pysiology: A python package for physiological feature extraction. In *Neural approaches to dynamics of signal exchanges* (pp. 395–402). Springer.

2019

- **Gabrieli, G.**, Leck, W. Q., Bizzego, A., & Esposito, G. (2019a). Are praat's default settings optimal for infant cry analysis? *Proceedings of the Linux Audio Conference*. <https://dr.ntu.edu.sg/bitstream/10356/143586/2/Praat.pdf>.
- Bizzego, A., Battisti, A., **Gabrieli, G.**, Esposito, G., & Furlanello, C. (2019). Pyphysio: A physiological signal processing library for data science approaches in physiology. *SoftwareX*, 10, 100287. <https://doi.org/10.1016/j.softx.2019.100287>.
- Azhari, A., Leck, W., **Gabrieli, G.**, Bizzego, A., Rigo, P., Setoh, P., Bornstein, M., & Esposito, G. (2019). Parenting stress undermines mother-child brain-to-brain synchrony: A hyperscanning study. *Scientific reports*, 9(1), 1–9. <https://doi.org/10.1038/s41598-019-47810-4>.
- **Gabrieli, G.**, Scapin, G., Bornstein, M. H., & Esposito, G. (2019). Are cry studies replicable? an analysis of participants, procedures, and methods adopted and reported in studies of infant cries. *Acoustics*, 1(4), 866–883. <https://doi.org/10.3390/acoustics1040052>.
- Venturoso, L., **Gabrieli, G.**, Truzzi, A., Azhari, A., Setoh, P., Bornstein, M. H., & Esposito, G. (2019). Effects of baby schema and mere exposure on explicit and implicit face processing. *Frontiers in Psychology*, 10, 2649. <https://doi.org/10.3389/fpsyg.2019.02649>.
- **Gabrieli, G.**, Bornstein, M. H., & Esposito, G. (2019). Using users' physiological responses for the estimation of websites' aesthetic judgments. *PsyArXiv*. <https://doi.org/10.31234/osf.io/cwfx5>.

2018

- Esposito, G., Venuti, P., Iandolo, G., de Falco, S., **Gabrieli, G.**, Wei, C., & Bornstein, M. H. (2018). Microgenesis of typical storytelling. *Early Child Development and Care*, 1–11. <https://doi.org/10.1080/03004430.2018.1554653>.

TALKS AND POSTERS

2025

- **Gabrieli, G., Leandri, M., Mouraux, A., & Iannetti, G. (2025).** *A novel approach to obtain high-resolution images of the electrical activity of the spinal cord.* Cosyne 2025, Montreal, Canada.

2024

- Rocchi, F., Bufacchi, R., **Gabrieli, G.**, Romanella, S., Rossi, S., & Iannetti, G. (2024). *Brodman area 7 mediates the value dependent modulation of the blink reflex.* Neuroscience 2024, Chicago, United States of America.

2023

- Rodriguez, R., **Gabrieli, G.**, & Silva, P. (2023). *How do image statistics influence art viewing behavior in a virtual gallery?* American Psychological Association 2023, Washington, United States of America.
- **Gabrieli, G., Leandri, M., & Iannetti, G. (2023).** *A non-invasive technique for recording the electrical activity of the human spinal cord.* 10th Anniversary MindBrainBody Symposium, Berlin, Germany.

2022

- **Gabrieli, G., Scapin, G., & Esposito, G. (2022).** *Pyaesthetic, a python package for empirical aesthetic analysis.* XXVII Conference of the International Association of Empirical Aesthetics, Philadelphia, United States of America.
- **Gabrieli, G., Lenoir, C., Bufacchi, R. J., Mouraux, A., & Iannetti, G. (2022).** *A non-invasive technique for recording the electrical activity of the human spinal cord.* Federation of European Neuroscience Societies (FENS), Paris, France.

2021

- **Gabrieli, G., Ng, S., & Esposito, G. (2021b).** *Effects of the aesthetic appearance of human faces on the perceived trustworthiness of automated teller machines (atms).* XXVI Conference of the International Association of Empirical Aesthetics, Virtual.
- **Gabrieli, G., & Esposito, G. (2021b).** *Age but not gender and ethnicity of presented faces influence the strength of the halo effect (aesthetics x trustworthiness).* XXVI Conference of the International Association of Empirical Aesthetics, Virtual.
- Esposito, G., **Gabrieli, G.**, Carollo, A., Bizzego, A., & Killam, K. (2021). *Lockdown impacts mental health: Greece and uk.* UCL Global COVID Study summer webinar series, Virtual.
- **Gabrieli, G., Lim, Y. Y., & Esposito, G. (2021b).** *Effects of social distancing on the strength halo effect: Does attachment style matter?* 5th international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Virtual.
- Ng, X., **Gabrieli, G.**, Azhari, A., Neoh, M. J. Y., & Esposito, G. (2021). *Baby don't cry. measuring the empathetic response towards infant cries in a singaporean context.* 5th international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Virtual.
- Bizzego, A., Lim, M., Schiavon, G., Setoh, P., **Gabrieli, G.**, Dimitriou, D., & Esposito, G. (2021). *Parenting and child disability in low- and middle-income countries: Data-driven approaches on open big data.* Society for Research in Child Development Biennial Meeting, Virtual.
- **Gabrieli, G., Bornstein, M. H., Manian, N., & Esposito, G. (2021).** *Using infants' cry vocalizations to assess post-partum depression in their mothers.* Society for Research in Child Development Biennial Meeting, Virtual.
- **Gabrieli, G. (2021).** *Statistical tests, p values, confidence intervals, and power: A guide to misinterpretations.* Singapore ReproducibiliTea, Singapore, Singapore.
- Carollo, A., Bizzego, A., **Gabrieli, G.**, Wong, K. K. Y., Raine, A., & Esposito, G. (2021). *Perceived loneliness and lockdown duration: Using artificial intelligence to uncover patterns in covid-19 data.* President's Forum on Southeast and South Asia and Taiwan Universities, Virtual.
- Carollo, A., Bonassi, A., Cataldo, I., **Gabrieli, G.**, Lepri, B., & Esposito, G. (2021). *The effect of avoidant attachment with the partner on the number of followed users on instagram: A gxe study.* European Conference on Digital Psychology, Milan, Italy.

2020

- Carollo, A., Bizzego, A., **Gabrieli, G.**, Wong, K., Raine, A., & Esposito, G. (2020). *I'm alone but not lonely: Investigating the u-shaped pattern of perceived loneliness during the covid-19 pandemic in the united kingdom and greece.* Society of Behavioural Health Virtual Scientific Meeting, Virtual.

- **Gabrieli, G. (2020).** *An analysis of the generalizability and stability of the halo effect.* School of Social Sciences - Graduate Students Club's Brownbag Seminar, Singapore, Singapore.
- Bonassi, A., Cataldo, I., **Gabrieli, G.**, Nee Foo, J., Lepri, B., & Esposito, G. (2020). *Serotonin transporter gene polymorphisms and confidence in adult relationships affect the number of followed people on instagram.* 33rd Congress of the European College of Neuropsychopharmacology, Virtual.
- Caruso, A., **Gabrieli, G.**, Fulceri, F., Micai, M., Esposito, G., Network, N., & Scattoni, M. (2020). *Acoustic features of cry from birth as early markers of neurodevelopmental disorders.* Behavioural Measures of Language Acquisition and language processing in typical and atypical populations, Venice, Italy.
- Bonassi, A., Cataldo, I., **Gabrieli, G.**, Lepri, B., & Esposito, G. (2020). *Genetic predispositions and early parent-child relationship are related to instagram behaviour.* Cognitive Science Arena (CSA), Brixen, Italy.
- Gobbi, P., Bonassi, A., Cataldo, I., **Gabrieli, G.**, Lepri, B., & Esposito, G. (2020). *Exploring sociable attitudes in facebook: A gene-environment investigation.* Cognitive Science Arena (CSA), Brixen, Italy.

2019

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GRANTS

- Cosyne 2025 Travel Grant
- GitKraken Open Source Sponsorship
- Singapore's National Super Computing Centre January 2020 Cycle, Project: *Computational study of Child Development in Low Resource Contexts* (Project ID: 12001609)

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- **Gabrieli G., Esposito G. (2018),** Using users' physiological response to predict aesthetic experience of websites, Master Degree in Human-Computer Interaction, University of Trento (Italy) [[PDF@UNITN](#)]
- **Gabrieli G., Esposito G. (2016),** Development of a Web platform for graphical data collection and analysis, Bachelor Degree in Interfaces and Communication Technology, University of Trento (Italy)

To get access to the above works, please [contact me](#).

SOFTWARE AND TOOLS

- **Psychology** - A Python package for physiological's signals processing [[GitHub](#)] [[PyPI](#)] [[Documentation](#)]
- **pyaesthetics** - Images' aesthetic analysis in Python (formerly known as PrettyWebsite) [[GitHub](#)] [[PyPI](#)]
- **FNIRSQC** - fNIRS Quality Control using Deep Learning Platform [[Website](#)]
- **pyEasyTrend** - The simplest way to perform trend analysis in Python [[GitHub](#)] [[PyPI](#)] [[Documentation](#)]
- **Veronanchemia** - A phone app to explore the city of Verona, suitable for individuals with visual and auditory impairments [[Website](#)] [[Play Store](#)] [[App Store](#)]
- **Tourder** - A phone app to discover nearby touristic attractions using a dating-app like interface [[Website](#)] [[Play Store](#)] [[App Store](#)]

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PEER REVIEW SUMMARY

- Research in Developmental Disabilities (27)
- International Journal of Environmental and Public Health (17)
- Frontiers in Psychology (16)
- Behavioral Sciences (7)
- Society for Research in Child Development - 2023 Meeting (6)

- Acta Psychologica (5)
- Brain Sciences (4)
- Children (4)
- Psychological Reports (3)
- Scientific Reports (3)
- Advances in Methods and Practices in Psychological Science (2)
- Behavior Research Methods (2)
- Computers in Human Behavior (2)
- Concurrency and Computation: Practice and Experience (2)
- Frontiers in Public Health (2)
- Infant Behavior and Development (2)
- Journal of Genetic Psychology (2)
- PeerJ (2)
- Adolescents (1)
- Communication Psychology (1)
- Frontiers in Neurology (1)
- Frontiers in Sustainable Food System (1)
- Helyion (1)
- Hygiene (1)
- Human Behavior and Emerging Technologies (1)
- Inquiry (1)
- JAMA Network Open (1)
- Journal of Clinical Medicine (1)
- Pediatric Reports (1)
- Psychiatry International (1)
- Quarterly Journal of Experimental Psychology (1)
- Scientific Data (1)
- Smart Innovation, Systems and Technologies (1)
- Sports (1)
- Swiss National Science Foundation (1)
- Technologies (1)

EDITORIAL SUMMARY

- Frontiers in Psychology (6)
- Frontiers in Computer Science (2)
- Frontiers in Psychiatry (1)
- Frontiers in Public Health (1)

PRESS COVERAGE

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- Ben Gera I. (2024), Beyond Aesthetics: he Role of Hair Color and Facial Expression in Purchase Intentions, Master Degree in Communication Science, Vrije Universiteit (Netherlands)of Hair Color and Facial Expression in Purchase Intentions
- Diaby J. (2024), Differences between child and adult death representation in war News Articles regarding the war between Israel and Palestine, Master Degree in Communication Science, Vrije Universiteit (Netherlands)
- Van der Meulen J. (2024), Social Media Influence on Football Club Brand Perception, Master Degree in Communication Science, Vrije Universiteit (Netherlands)
- Van Wijngaarden R. (2024), Judging Faces: The Influence of the Halo Effect and first impression's coherence on Perceived Dating Success, Master Degree in Communication Science, Vrije Universiteit (Netherlands)
- Veldhuizen M. (2024), Analyzing the Role of Aesthetic Features in Packaging Designs on Consumer Responses: The Case of Specialty Coffee, Master Degree in Communication Science, Vrije Universiteit (Netherlands)

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