

# GIULIO GABRIELI, PH.D.

Postdoctoral researcher

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## ACADEMIC APPOINTMENTS

### Lecturer

**Vrije Universiteit Amsterdam**

📅 January 2024 – Ongoing 📍 Amsterdam, Netherlands

Faculty of Social Sciences, Communication Science

### PostDoc

**Istituto Italiano di Tecnologia**

📅 January 2022 – Ongoing 📍 Rome, Italy

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

## 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

## CODING

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

## PROFILES

Website://[giuliogabrieli.it](https://giuliogabrieli.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%2Fgiuliogabrieli.it)

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

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

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

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

## Nanyang Technological University

📅 June 2016 - July 2016

📍 Singapore, Singapore

School of Humanities and Social Sciences

High School Diploma in Chemistry with specialization in Food Technology

## I.T.I.S. G. Ferraris

📅 September 2008 - June 2013

📍 Verona, Italy

## 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.

## 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

## 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

## 2023

- 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. (2020a). 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. (2020a). 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

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### 2023

- **Gabrieli, G.**, Leandri, M., & Iannetti, G. (2023, March 14–17). *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, August 31–September 2). *Pyesthetic, a python package for empirical aesthetic analysis*. XXVII Conference of the International Association of Empirical Aesthetics, Philadelphia, United States.
- **Gabrieli, G.**, Lenoir, C., Bufacchi, R. J., Mouraux, A., & Iannetti, G. (2022, July 9–13). *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, September 1–3).** *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, September 1–3).** *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, June 2).** *Lockdown impacts mental health: Greece and uk.* UCL Global COVID Study summer webinar series, Virtual.
- **Gabrieli, G., Lim, Y. Y., & Esposito, G. (2021b, June 23–26).** *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, June 23–26).** *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. (2020b, April 7–9).** *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. (2020b, April 7–9).** *Using infants' cry vocalizations to assess post-partum depression in their mothers.* Society for Research in Child Development Biennial Meeting, Virtual.
- **Gabrieli, G. (2021, April 1).** *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, February 2).** *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, February 19–20).** *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, October 31–November 7).** *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, September 11).** *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, September 12–15).** *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, May 20–21).** *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, February 7–8).** *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, February 7–8).** *Exploring sociable attitudes in facebook: A gene-environment investigation.* Cognitive Science Arena (CSA), Brixen, Italy.

## 2019

- Bizzego, A., **Gabrieli, G., Bornstein, M. H., Deater-Deckard, K., Putnick, D. L., Lansford, J. E., Bradley, R. H., Costa, M., & Esposito, G. (2019a, December 9–12).** *Child mortality in low- and middle-income countries: A transdisciplinary study using artificial intelligence.* 3rd International Developmental Pediatrics Association Congress - Transdisciplinary interventions: Idea in Action, Manila, Philippines.
- Bonassi, A., Cataldo, I., **Gabrieli, G., Lepri, B., & Esposito, G. (2019, December 8–14).** *Genetic factors and early parent-infant interactions shape instagram users' social behaviour.* Federation of European Neuroscience Societies (FENS) Hertie Winter School, Obergurgl, Austria.
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- **Gabrieli**, G. (2017, June 16). *Bci 101 - introduction to brain computer interfaces*. 13<sup>th</sup> Speck and Tech, Trento, Italy.
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## 2016

- **Gabrieli**, G. (2016). *The dynamics of love*, Singapore, Singapore.

## GRANTS

- Singapore’s National Super Computing Centre January 2020 Cycle, Project: *Computational study of Child Development in Low Resource Contexts* (Project ID: 12001609)

# THESIS

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- **Gabrieli G., Lee A., Esposito G. (2022)**, Is the Halo Effect universal? An investigation of the generalizability and applications of the Halo Effect, Doctoral Degree in Psychology, Nanyang Technological University (Singapore) [[PDF@DR-NTU](#)]
- **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

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- **Pysiology** - 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](#)]

## DATASETS

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### 2021

- **Gabrieli, G., & Esposito, G. (2021c)**. *Replication data for: Halo and priming*. DR-NTU (Data). <https://doi.org/10.21979/N9/2AMLSN>.
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### 2020

- **Gabrieli, G., Esposito, G., Goh, R., & Gualco, C. (2020)**. *Influence of gender, ethnicity and age on the strenght of the halo effect (aesthetics x trustworthiness) (v. 2)*. DR-NTU (Data). <https://doi.org/10.21979/N9/5IIVOM>.
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- **Gabrieli, G., Bonassi, A., Carollo, A., & Esposito, G. (2020)**. *Related Data for: Association between Oxytocin Receptor Gene polymorphisms and number of followed people on Instagram: an exploratory analysis*. DR-NTU (Data). <https://doi.org/10.21979/N9/GUSTLQ>.
- **Azhari, A., Gabrieli, G., & Esposito, G. (2020)**. *Parent-Infant Sync: Play and Video*. DR-NTU (Data). <https://doi.org/10.21979/N9/R7D1UP>.
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- **Gabrieli, G., Goh, R. Y. L., Carollo, A., & Esposito, G. (2020)**. *Replication Data for: Politicians and babies (NYT)*. DR-NTU (Data). <https://doi.org/10.21979/N9/VQBCUD>.
- **Gabrieli, G., Esposito, G., & Bonassi, A. (2020)**. *Related Data for: The interaction between serotonin transporter allelic variation and maternal care modulates sociability on Instagram*. DR-NTU (Data). <https://doi.org/10.21979/N9/XIVRWS>.



## 2019

- Esposito, G., & **Gabrieli**, G. (2019a). *Related Data for: Machine Learning Estimation of users' Implicit and Explicit Aesthetic Judgments of Web-Pages*. DR-NTU (Data). <https://doi.org/10.21979/N9/YCDXNE>.
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## PEER REVIEW SUMMARY

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- Research in Developmental Disabilities (21)
- International Journal of Environmental and Public Health (17)
- Frontiers in Psychology (16)
- Society for Research in Child Development - 2023 Meeting (6)
- Behavioral Sciences (6)
- Acta Psychologica (5)
- Children (4)
- Scientific Reports (3)
- Advances in Methods and Practices in Psychological Science (2)
- Behavior Research Methods (2)
- Brain Sciences (2)
- Concurrency and Computation: Practice and Experience (2)
- Frontiers in Public Health (2)
- Infant Behavior and Development (2)
- PeerJ (2)
- Psychological Reports (2)
- Communication Psychology (1)
- Frontiers in Neurology (1)
- Frontiers in Sustainable Food System (1)
- Hygiene (1)
- Inquiry (1)
- JAMA Network Open (1)
- Journal of Clinical Medicine (1)
- Journal of Genetic Psychology (1)
- Quarterly Journal of Experimental Psychology (1)
- Scientific Data (1)
- Smart Innovation, Systems and Technologies (1)
- Swiss National Science Foundation (1)

## EDITORIAL SUMMARY

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- Frontiers in Psychology (6)
- Frontiers in Computer Science (1) Frontiers in Psychiatry (1)

# PRESS COVERAGE

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- 'Beauty', Drive Time. Voice of Islam Radio (2022, July 28).  
<https://soundcloud.com/voislam/drive-time-show-podcast-28-07-2022-beauty-and-poverty>
- Scientificast, Episode 384 (2021, November 29). <https://www.scientificast.it/psicofisiologia-dei-coralli-del-tempo/>
- Infancy Research Around the World: Singapore. International Congress of Infant Studies (2021, September 30).  
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- Could oxytocin receptors influence Instagram activity?. Medical News Today (2021, September 23).  
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- Parents' brains sync when taking care of children together. The Star (2020, May 22).  
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- Here's how co-parenting with one's spouse can alter each other's brain activity, improve relations. Hindustan Times (2020, May 18).  
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- Physical presence of spouses can alter each other's brain activity. News-Medical (2020, May 12).  
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- Physical presence of spouse alters how parents' brains respond to stimuli from children. Medical Xpress (2020, May 12).  
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- Presence of spouse alters how parents' brains react to children stimuli, finds NTU Singapore study. Eurekalert.org (2020, May 12).  
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- In Times of Joy and in Times of Sorrow: The Complex Intricacies Behind Co-Parenting and Brain-to-Brain Synchrony. Thrive Global (2020, May 11). <https://thriveglobal.com/stories/in-times-of-joy-and-in-times-of-sorrow-the-complex-intricacies-behind-co-parenting-and-brain-to-brain-synchrony/>
- Stressing About Your Parenting Ability Might Be Counterproductive. Thrive Global (2019, September 12).  
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- Parenting stress weakens mother-child communication. The statesman (2019, August 31).  
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# THESIS SUPERVISION

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- 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)
- Ben Gera I. (2024), Beyond Aesthetics: The Role of Hair Color and Facial Expression in Purchase Intentions, Master Degree in Communication Science, Vrije Universiteit (Netherlands)
- 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 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)

## REFERENCES

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- **Prof. Gianluca Esposito**  
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