

# GIULIO GABRIELI

## Postdoc

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## EDUCATION

### PostDoc

#### Istituto Italiano di Tecnologia

📅 January 2022 – Ongoing 📍 Rome, Italy  
Center for Life Nano- & Neuro-Science (CLNS)

### 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  
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

## CODING

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

## PROFILE

LinkedIn://[giulio-gabrieli](#)  
Instagram://[pygiulio](#)  
Website://[giulio.gabrieli.it](#)  
GitHub://[Gabrock94](#)  
GitLab://[gack94](#)  
Orcid://[0000-0002-9846-5767](#)  
Researchgate://[Giulio\\_Gabrieli](#)  
Publons://[Giulio\\_Gabrieli](#)  
Untappd://[Giulio\\_Gabrieli](#)

## CERTIFICATIONS

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

## EXPERIENCE

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### Ph.D. Candidate

#### Social and Affective Neuroscience Lab

📅 January 2019 - Ongoing 📍 Nanyang Technological University

Signal processing (ECG, EDA, EMG, EEG, fNIRS, fMRI, infant cry), Experimental design & Data collection, Big Data Analysis, Manuscript preparation

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### Intern

#### Affiliative Behaviour and Physiology Lab

📅 June 2015 - December 2018 📍 University of Trento

Signal processing (ECG, EDA, EMG, EEG, infant cry), Experimental design & Data collection, Manuscript preparation

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### Data Entry

#### Hellas Verona F.C. s.p.a

📅 June 2014 - December 2018 📍 Verona, Italy

IT support and digital tickets management.

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### Research assistant

#### Affiliative Behaviour and Physiology Lab

📅 June 2018 - September 2018 📍 University of Trento

Data analysis, manuscript preparation, speaker at scientific meetings.

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### Scientific Meeting Organization

#### University of Trento

📅 June 2017 - August 2017 📍 University of Trento

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

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## TEACHING EXPERIENCE

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### 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

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### Ambassador

#### GitKraken

### Volunteer

#### Linux App Summit 2021

### Translator

#### Raspberry Pi Foundation

### Ambassador

#### Researcher App

### Volunteer

#### Linux App Summit 2020

## AWARDS

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### 1st place

#### UX Challenge

📅 1-2 December 2017 📍 Trento, Italy

### Merit Award 2018

#### University of Trento

📅 2018 📍 Trento, Italy

## OTHER POSITIONS

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### Vice-President

#### School of Social Sciences' Graduate Student Club, 5th Committee

📅 2021 - 2022 📍 Singapore, Singapore

### Vice-President

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

📅 2020 - 2021 📍 Singapore, Singapore

### Data Protection Officer

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

📅 2020 - Ongoing 📍 Singapore, Singapore

### Vice-President

#### School of Social Sciences' Graduate Student Club, 3th Committee

📅 2019 - 2020 📍 Singapore, Singapore

## 2022

- 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. (2022). 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. *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. *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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## 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.
- Kamburova, H., Kumar, R., Gao, F., & **Gabrieli, G.** (2019, December 5). *Open access in the asia-pacific countries: A q&a with academics*. Researcher App Webinar.
- Goh, G., S. N. **Gabrieli, G.**, & Koh, W. (2019, December 5). *Open data and materials*. Singapore ReproducibiliTea, Singapore, Singapore.
- **Gabrieli, G.** (2019a, November 21). *Reproducibility now: Why many studies are not reproducible?* Singapore ReproducibiliTea, Singapore, Singapore.
- **Gabrieli, G.** (2019b, September 29). *Using artificial intelligence to fight child mortality*. Healthcare Tech - La Kopi @ Google Developer Space, Singapore, Singapore.
- Bizzego, A., **Gabrieli, G.**, Azhari, A., Setoh, P., & Esposito, G. (2019, June 12–14). *Computational methods for the assessment of empathic synchrony*. Italian Workshop on Neural Networks (WIRN), Vietri sul Mare, Italy.
- Azhari, A., Leck, W. Q., **Gabrieli, G.**, Bizzego, A., Rigo, P., Setoh, P., Bornstein, M. H., & Esposito, G. (2019, May 2–4). *Parenting stress undermines mother-child interbrain synchrony*. Social & Affective Neuroscience Society (SANS), Miami, United States.
- **Gabrieli, G.** (2019c, March 29). *Predicting child mortality in low- and middle-income countries: A big data approach*. "3 Minute Thesis" Competition, Singapore, Singapore.
- **Gabrieli, G.**, Leck, W. Q., Bizzego, A., & Esposito, G. (2019b, March 23–26). *Are praat's default settings optimal for infant cry analysis?* Linux Audio Conference, Stanford, United States.
- Qing, L. W., Azhari, A., Bizzego, A., **Gabrieli, G.**, & Esposito, G. (2019, August 8). *Mother-child brain synchrony: A unique dyadic coupling*. International Symposium on Cognition and Neuroscience (ISCN), Singapore, Singapore.

## 2018

- **Gabrieli, G.**, Truzzi, A., Rigo, P., Onnis, L., & Esposito, G. (2018, July 19–22). *Promoting empathy with rhymes: Effects of poetry exposure on physiological arousal and empathic trait*. European Society for Cognitive and Affective Neuroscience (ESCAN), Leiden, The Netherlands.
- **Gabrieli, G.**, Azhari, A., & Esposito, G. (2018, June 13–15). *Pysiology: A python package for physiological feature extraction*. Italian Workshop on Neural Networks (WIRN), Vietri sul Mare, Italy.
- **Gabrieli, G.**, & Esposito, G. (2018a, May 3–5). *Neuroaesthetics and web design: How expertise shapes our perception of web pages*. Concepts, Actions and Objects (CAOS), Rovereto, Italy.
- Venturoso, L., **Gabrieli, G.**, Truzzi, A., & Esposito, G. (2018, May 3–5). *"isn't it lovely?": Gender differences in response to babies and adults faces of different ethnic groups*. Concepts, Actions and Objects (CAOS), Rovereto, Italy.
- **Gabrieli, G.**, Esposito, G., Setoh, P., Vil, S., & Truzzi, A. (2018a, April 4–5). *Love patterns: A machine learning approach to the study of individuals' perception of romantic interactions in ongoing and past relationships*. Consortium of European Research on Emotion, Glasgow, Scotland.
- **Gabrieli, G.**, Esposito, G., Setoh, P., Vil, S., & Truzzi, A. (2018b, February 23–24). *A machine learning approach to the study of individuals' perception of romantic relationships*. Cognitive Science Arena (CSA), Brixen, Italy.
- Ghilardi, T., Bonassi, A., **Gabrieli, G.**, Doi, H., Shinohara, K., & Esposito, G. (2018, February 23–24). *The influence of ethnicity in the recognition ability of emotional faces and voices*. Cognitive Science Arena (CSA), Brixen, Italy.
- **Gabrieli, G.**, & Esposito, G. (2018b, August 30–September 2). *Neuroaesthetic of websites: Evaluating the impact of expertise and exposure to website on aesthetic judgment*. International Association of Empirical Aesthetics Congress (IAEA), Toronto, Canada.

## 2017

- **Gabrieli, G., Scapin, G., Panzariello, S., & Esposito, G. (2017, July 6–8).** *Analysis of available methods for fundamental frequency estimation applied to the infant cry.* 13th International Infant Cry Workshop, Rovereto, Italy.
- **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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## GRANTS

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- 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. (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](#)]
- **bfp**: a simple template to develop PWA with Firebase and Bootstrap. [[GitHub](#)]
- **pyEasyTrend** - The simplest way to perform trend analysis in Python [[GitHub](#)] [[PyPI](#)] [[Documentation](#)]

## DATASETS

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### 2021

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### 2020

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## PEER REVIEWING

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- Research in Developmental Disabilities (10)
- Frontiers in Psychology (8)
- International Journal of Environmental and Public Health (7)
- Behavior Research Methods (2)
- Behavioral Sciences (2)
- Infant Behavior and Development (2)
- Acta Psychologica (1)
- Inquiry (1)
- Scientific Data (1)
- Smart Innovation, Systems and Technologies (1)
- Swiss National Science Foundation (1)

## PRESS COVERAGE

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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/>
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- Parenting stress may weaken mother-child communication, study shows. News Medical (2019, August 29).  
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## NON-FORMAL EDUCATION

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### NIRx Virtual fNIRs Training Course

**NIRx**

📅 January 25 - February 5 2021

📍 Online

### HTML5 Game Development with Phaser

**Linkedin Learn**

📅 November 2020

📍 Online

### Cloud OnBoard: GCP Fundamentals Series

**Google Cloud**

📅 24-26 March 2020

📍 Online

### MATLAB Onramp

**MathWorks**

📅 January 2019

📍 Online

# REFERENCES

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