

EXPERIENCE

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

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

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 2022

Ambassador

GitKraken

Volunteer

Linux App Summit 2021

Translator

Raspberry Pi Foundation

Ambassador

Researcher App

Volunteer

Linux App Summit 2020

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, 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

PUBLICATIONS

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*.
- 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.
- Bin Eid, W., Lim, M., **Gabrieli, G.**, Kölbl, 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.**, Kölbl, 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 fMRI 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).** Physiology: 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

2022

- **Gabrieli, G., Scapin, G., & Esposito, G. (2022, August 31–September 2).** *PyAesthetic, 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.
- 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). *Physiology: 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*. 13th Speck and Tech, Trento, Italy.
- **Gabrieli, G.**, Lim, M., Bolcato, C., Truzzi, A., Rigo, P., Onnis, L., & Esposito, G. (2017, March 16–18). *Reading poetry increases adults' empathetic traits and moderated physiological arousal*. Social and affective Neuroscience Society (SANS), Los Angeles, United States.

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

- **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)
- **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

- **Physiology** - 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

2021

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- **Gabrieli, G., & Esposito, G. (2021d).** *Replication data for: The presence of faces on automated teller machines (atms) affects trustworthiness.* DR-NTU (Data). <https://doi.org/10.21979/N9/WOGMQ6>.

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- **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>.
- **Bizzego, A., Carollo, A., Gabrieli, G., Wong, K. K.-Y., Raine, A., & Esposito, G. (2020).** *I'm alone but not lonely. U-shaped pattern of perceived loneliness during the COVID-19 pandemic in the UK and Greece.* UCL Data Repository. <https://doi.org/10.5522/04/13251893.v1>.
- **Gabrieli, G., & Esposito, G. (2020).** *The Dynamics of Love, 2019.* UNC Dataverse. <https://doi.org/10.15139/S3/SLGEAS>.
- **Gabrieli, G., Zhang, L., & Setoh, P. (2020).** *Related Data for: A Machine Learning Approach For The Automatic Estimation Of Fixation-Time Data Signals' Quality.* DR-NTU (Data). <https://doi.org/10.21979/N9/OFU9ZG>.
- **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>.
- **Esposito, G., Gabrieli, G., & Bizzego, A. (2020).** *Replication Data for: Strangers, friends, and lovers show specific physiological synchronies in different emotional contexts,* DR-NTU (Data). <https://doi.org/10.21979/N9/O9ADTR>.
- **Bonassi, A., Gabrieli, G., & Esposito, G. (2020).** *Related Data for Serotonin transporter gene polymorphisms and confidence in adult relationships affect the number of followed people on Instagram.* DR-NTU (Data). <https://doi.org/10.21979/N9/Z15IJ0>.
- **Azhari, A., Gabrieli, G., Setoh, P. P., & Esposito, G. (2020).** *Related data for: Parents' past bonding experience with their parents interacts with current parenting stress to influence quality of interaction with their child.* DR-NTU (Data). <https://doi.org/10.21979/N9/IZQPBI>.
- **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>.

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- **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

- Frontiers in Psychology (13)
- International Journal of Environmental and Public Health (12)
- Research in Developmental Disabilities (12)
- Society for Research in Child Development - 2023 Meeting (6)
- Children (4)
- Acta Psychologica (3)
- Behavioral Sciences (3)
- Advances in Methods and Practices in Psychological Science (2)
- Behavior Research Methods (2)
- Brain Sciences (2)
- Concurrency and Computation: Practice and Experience (2)
- Infant Behavior and Development (2)
- Frontiers in Public Health (1)
- Inquiry (1)
- JAMA Network Open (1)
- Psychological Reports (1)
- Scientific Data (1)
- Smart Innovation, Systems and Technologies (1)
- Swiss National Science Foundation (1)

PRESS COVERAGE

- '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). <https://infantstudies.org/infancy-research-around-the-world-singapore/>.
- Could oxytocin receptors influence Instagram activity?. Medical News Today (2021, September 23). <https://www.medicalnewstoday.com/articles/could-oxytocin-receptors-influence-instagram-activity>
- Variations in 'love hormone' gene might affect how much people post on Instagram, researchers suggest. The independent (2021, September 22). <https://www.independent.co.uk/life-style/gadgets-and-tech/instagram-followers-gene-love-hormone-b1924800.html>
- A Possible Connections Between Oxytocin and Instagram. Neuroscience.com (2021, September 22). <https://neurosciencenews.com/oxytocin-genetics-instagram-19340/>
- Researchers look for possible connections between oxytocin and Instagram. Eurekalert.org (2021, September 22). <https://www.eurekalert.org/news-releases/928645>
- Why Genuine, Lasting Connections Feel So Elusive. Psychology Today (2021, May 4). <https://www.psychologytoday.com/za/blog/missing-each-other/202105/why-genuine-lasting-connections-feel-so-elusive>
- Parents' brain activity synchronizes in each other's presence. Medical News Today (202, May 23). <https://www.medicalnewstoday.com/articles/parents-brain-activity-synchronizes-in-each-others-presence>
- Parents' brains sync when taking care of children together. The Star (2020, May 22). <https://www.thestar.com.my/lifestyle/health/2020/05/22/parents-brains-sync-when-taking-care-of-children-together>
- Here's how co-parenting with one's spouse can alter each other's brain activity, improve relations. Hindustan Times (2020, May 18). <https://www.hindustantimes.com/sex-and-relationships/here-s-how-co-parenting-with-one-s-spouse-can-alter-each-other-s-brain-activity-improve-relations/story-CJqlk1U7pXlncWaqL1TZdO.html>
- Parents' brains sync up when caring for children together. Big Think (2020, May 15). <https://bigthink.com/neuropsych/parents-brain-changes/>
- Spouses Can Alter Each Other's Brain Activity When Co-Parenting. SciTechDaily (2020, May 13). <https://scitechdaily.com/spouses-can-alter-each-others-brain-activity-when-co-parenting/>
- Physical presence of spouses can alter each other's brain activity. News-Medical (2020, May 12). <https://www.news-medical.net/news/20200512/Physical-presence-of-spouses-can-alter-each-others-brain-activity.aspx>

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- Physical presence of spouse alters how parents' brains respond to stimuli from children. Medical Xpress (2020, May 12). <https://medicalxpress.com/news/2020-05-physical-presence-spouse-parents-brains.html>
- Presence of spouse alters how parents' brains react to children stimuli, finds NTU Singapore study. Eurekalert.org (2020, May 12). <https://www.eurekalert.org/news-releases/868472>
- 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). <https://thriveglobal.com/stories/stressing-about-your-parenting-ability-may-be-counterproductive/>
- Parenting stress weakens mother-child communication. The statesman (2019, August 31). <https://www.thestatesman.com/lifestyle/parenting-stress-weakens-mother-child-communication-1502794316.html>
- Parental stress can affect communication with children. Deccan Chronicle (2019, August 31). <https://www.deccanchronicle.com/lifestyle/sex-and-relationship/310819/parental-stress-can-affect-communication-with-children.html>
- Parental stress can affect communication with children. The Asian Age (2019, August 31). <https://www.asianage.com/life/relationship/310819/parental-stress-can-affect-communication-with-children.html>
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- Parenting stress may weaken mother-child communication, study shows. News Medical (2019, August 29). <https://www.news-medical.net/news/20190829/Parenting-stress-may-weaken-mother-child-communication-study-shows.aspx>
- Parenting stress may affect mother and child ability to tune in to each other. Medical Xpress (2019, August 29). https://medicalxpress.com/news/2019-08-parenting-stress-affect-mother-child.html?src_id=alt
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REFERENCES

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