

Giulia Serino

PhD Student
Centre for Brain and Cognitive
Development, Birkbeck University
of London

My research is focused on the
development of attention and
distraction in infants and toddlers.
To study this, I use a combination
of behavioural and neuroimaging
techniques. I enjoy designing and
programming my own paradigms
and analysing complex dataset.

Research Skills

SPSS ●●●●●	PYTHON ●●●●●
JASP ●●●●●	PSYCHOPY ●●●●●
R ●●●●●	GORILLA ●●●●●
MATLAB ●●●●●	

Research Methods

Eye-tracking
Screen based eye-tracker,
Tobii (SW)

Motion Capture
Vicon Nexus, Yarnon (UK)

fNIRS
BabyBrite Nirs system, Artinis
medical system (NL)

Behavioural
Online & Touch-screen studies

Media Softwares

Photoshop, Illustrator,
Premiere Pro, After Effect,
Audacity

Statistics

Qualitative and quantitative
methods skills. Experienced in
Multilevel Modelling and
Structural Equation
Modelling

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Kingdom

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🐦 @GiSerino

Education

- 2020 – **PhD in Psychology**
Centre for Brain and Cognitive Development, Birkbeck, University of London (UK)
Supervisors: Prof Natasha Kirkham, Prof Denis Mareschal, & Prof Gaia Scerif
- 2017 – 2019 **MSc in Cognitive Neuroscience and Clinical Neuropsychology**
110/110 cum Laude - Università degli Studi di Padova (IT)
- 2018 – 2019 **Erasmus+ for Studies Exchange Program**
Research Masters in Behavioural Science & Cognitive Neuroscience Radboud University, Nijmegen (NL)
- 2014 – 2017 **BSc in Psychological Sciences and Techniques**
110/110 cum Laude - Università degli Studi di Milano, Bicocca (IT)

Research Experience

- May – August 2023 **Baby Learning Lab, The University of British Columbia (CA)**
PhD secondment. Project: Investigation of neuro-correlates of attention in infants using fNIRS technology during naturalistic interaction. Supervisor: Prof Lauren Emberson
- 2019 – 2020 **Centre for Brain and Cognitive Development, Birkbeck, University of London (UK)**
Post-lauream internship. Project: Investigation of the impact of acoustic noise on infant development using eye-tracking methods. Supervisors: Dr. Brittney Chere and Prof Natasha Kirkham.
- 2018 – 2019 **Donders Institute, Radboud University (NL)**
Erasmus+ for studies and traineeship exchange program. Project: Investigation of the mechanisms underlying visual statistical learning using eye-tracking methods. Supervisor: Prof Sabine Hunnius.
- 2017 **Università degli Studi di Milano, Bicocca (IT)**
Internship. Project: Influence of visuo-olfactory memory on colour perception. Supervisor: Prof Emanuela Bricolo

Relevant Work Experience

- 2023 **Workshop leader | Birkbeck, University of London, London (UK)**
Course: Academic Skills for Psychology
Responsibilities: introducing students to Psychological Sciences; provided comprehensive support to students
- 2021 – 2023 **Graduate teaching Assistant | London School of Economics, London (UK)**
Course: Intermediate Statistics and Research Methods for Psychological and Behavioural Science
Responsibilities: Assisted in planning, organizing, and conducting Statistics teaching sessions and classes; coordinated R laboratory practical sessions; evaluated and graded statistics assignments, contributing to student progress; offered continuous support to students during the course.
- 2019 – 2021 **Care assistant | Resources for Autism, London (UK)**

Selected Publications & Presentations

- Serino, G., Mareschal, D., Scerif, G., & Kirkham, N. (2024). Playing hide and seek: Contextual regularity learning develops between 3 and 5 years of age. *Journal of Experimental Child Psychology*, 238, 105795.
- Poli, F., Serino, G., Mars, R. B., & Hunnius, S. (2020). Infants tailor their attention to maximize learning. *Science Advances*, 6(39), eabb5o53.
- Serino, G., Dopierala, A. A. W., Shen, C., Mareschal, D., Kirkham, N., and Emberson, L. Studying neural bases of attention orienting in real world infant experience. Poster presented at the Society for functional Near Infrared Spectroscopy, UK, September, 2023
- Serino, G., Mareschal, D., & Kirkham, N. Distractibility is tuned on relevant information since the first year of life. Lighting talk at British Psychological Society, Cognitive and Developmental Sections Annual Conference 2023, September, 2023.
- Serino, G., Grimshaw, H., Chere, B., Mareschal, D., & Kirkham, N. Can young children block out irrelevant acoustic noise? Lighting talk at British Psychological Society, Cognitive and Developmental Sections Annual Conference 2023, September, 2023.
- Serino, G., Pinti, P., Mareschal D. & Kirkham, N. Using fNIRS to investigate the neural correlates of distraction in 8-month-old infants. Poster presented at the biennial meeting of the Society for functional Near Infrared Spectroscopy, October 2022
- Serino, G., Gossé L., Pinti, P., & Kirkham, N. Using fNIRS to investigate the neural correlates of the orienting response in 8-month-old infants. Poster presented at the International Congress of Infant Studies, July 2022
- Serino, G., & Kirkham, N. Infants learn complex visual structures and then what? Poster presented at the Statistical Learning Conference, June 2022.
- Serino, G., Mareschal D., Scerif G., & Kirkham N. Playing hide and seek: what environmental cues drive young children's memory-guided attention? Poster Presented at Budapest CEU Conference on Cognitive Development, January 2021.
- Serino, G., Mareschal D., Scerif G., & Kirkham N. Playing hide and seek: What environmental cues drive young children's memory-guided attention and further learning? Poster Presented at the Lancaster Conference on Infant and Early Child Development, August 2021.

Selected Workshops & Trainings

- Naturalistic Experimentation of Child Development (NECD). Centre for Brain and Cognitive Development, Birkbeck, University of London, London (UK)
- Overcoming the methodological challenges of developmental fNIRS. fNIRS 2022, Boston, Massachusetts (USA)
- Analytical and Experimental Consideration in fNIRS: with the focus on toddler and children population. fNIRS 2022, Boston, Massachusetts (USA)
- Introduction to Multilevel Modelling Using R. Centre for Multilevel Modelling, University of Bristol, Bristol (UK)
- Introduction to Matlab. Birkbeck, University of London, London (UK)

Awards & Fundings

- LSE Class Teacher Awards 2022-23 in recognition of the highly commented work as a class teacher in the department of Psychological and Behavioural Science at London School of Economics, London (UK).
- UCL, Bloomsbury and East London DTP International Institutional Visit (IIV): fundings towards gaining research skills.
- Gorilla Grant 2020 Ruby Tier Award: tokens to run online research on the Gorilla.sc platform
- ESRC +3 PhD studentship (2020 – 2023): Fully funded studentship to cover PhD fees, living expenses and research expenses.
- ESRC Advanced Quantitative Methods (2020 – 2023): funding towards gaining skills in quantitative methods.
- Erasmus+ for Traineeship (Oct. 2019 – Feb. 2020): internship exchange program, funding to cover living expenses.
- Erasmus+ for Traineeship (March. 2019 – July 2019): internship exchange program, funding to cover living expenses.
- Erasmus+ for Studies (Sept. 2018 – Feb. 2019): study exchange program, funding to cover living expenses.