

# Dr. Katerina Drakoulaki

## Curriculum Vitae

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### Education

- 2021 **PhD Psycholinguistics - Awarded with distinction**, *National and Kapodistrian University of Athens, Greece*, *PhD thesis title: Exploring the rhythmic abilities of pre-school children: evidence from correlational and priming studies*
- 2016 **MSc Speech and Language Therapy (Pre-Registration) - Awarded with distinction**, *Queen Margaret University, Edinburgh, United Kingdom*  
*MSc thesis title: Grammaticality judgments in linguistic and musical structures; is there behavioural evidence for a common processing system?*
- 2013 **BA Greek Philology, specialization in Linguistics**, *National and Kapodistrian University of Athens, Athens, Greece*
- 2013 **Diploma Classical Piano**, *National Conservatory of Athens, Athens, Greece*

### Research and teaching experience

- July 2024 - present **Visiting Assistant Professor**, *Department of Psychology and Education, Mount Holyoke College, Massachusetts*
- August 2023 - present **Postdoctoral Fellow**, *Department of Psychology and Education, Mount Holyoke College, Massachusetts*, *funded by the National Institutes of Health, USA*, PI: Mara Breen, Mount Holyoke College, Massachusetts
- 2022 - 2023 **Postdoctoral Researcher**, *Department of Linguistics, National and Kapodistrian University of Athens*, *Language and Executive Functions Intervention Strategies in Language Disorders project*, funded by the Hellenic Foundation for Research and Innovation, PI: Spyridoula Varlokosta, National and Kapodistrian University of Athens
- 2022 **Postdoctoral Researcher**, *Department of Music Studies, National and Kapodistrian University of Athens*, *The Greek Music@Home questionnaires: an assessment of the home musical environment in Greek families project*, funded by University College London, Institute of Education, PI: Nina Politimou, University College London, Institute of Education

### Peer-reviewed journal articles

**Drakoulaki, K.**, Anagnostopoulou, C., Guasti, M-T., Tillman, B., Varlokosta, S. (2024). Situating music and language research on a domain-specific versus domain-general framework: a review of theory and empirical data. *Language and Linguistics Compass*, 18(2), e12509. <https://doi.org/10.1111/Inc3.12509>

Peristeri, E., **Drakoulaki, K.**, Boznou, A., Nerantzini, M., Gena, A., Lengeris, A., & Varlokosta, S. (2024). What Silent Pauses Can 'Tell' Us About the Storytelling Skills of Autistic Children: Relations Between Pausing, Language Skills and Executive Functions. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-024-06523-y>

Peristeri, E., Nerantzini, M., **Drakoulaki, K.**, Boznou, A., & Varlokosta, S. (2024). Narrative production and executive functions in post-stroke agrammatic aphasia. *Aphasiology*, 0(0), 1–24. <https://doi.org/10.1080/02687038.2024.2393221>

## Journal articles under review

**Drakoulaki, K.**, Anagnostopoulou, C., Guasti, M-T., Mikros, G., Tillman, B., Varlokosta, S. (under revisions). Unveiling predictors of beat perception and rhythm discrimination in typically developing preschoolers.

Nerantzini, M., Katsimpokis, D., **Drakoulaki, K.**, Boznou, A., Andrikopoulou, A., Peristeri, E., Varlokosta, S. (under review). Processing temporary syntactic ambiguities in Greek; evidence from eye-movements.

## Edited volumes

Αναγνωστοπούλου, Χ., Τριανταφυλλάκη, Α., Κόνιαρη, Δ., & **Δρακουλάκη, Κ.** (Eds.). (2024). Έρευνα και εφαρμογές στη Μουσική Ψυχολογία [Research and Applications in Music Psychology]. Ελληνική Ένωση για τη Μουσική Εκπαίδευση [Greek Society for Music Education].

## Chapters in edited volumes

**Δρακουλάκη, Κ.** (2024). Οι θεωρητικές και πειραματικές προεκτάσεις της μελέτης μουσικής-γλώσσας [Language and music research as modular systems: A review of theoretical and empirical data]. In Χ. Αναγνωστοπούλου, Α. Τριανταφυλλάκη, Δ. Κόνιαρη, & **Κ. Δρακουλάκη** (Eds.), Έρευνα και εφαρμογές στη Μουσική Ψυχολογία [Research and Applications in Music Psychology]. Ελληνική Ένωση για τη Μουσική Εκπαίδευση [Greek Society for Music Education].

**Δρακουλάκη, Κ.**, & Ζιώγα, Ι. (2024). Βασικές ποσοτικές προσεγγίσεις και εργαλεία στην Μουσική Ψυχολογία [Basic quantitative approaches and tools in Music Psychology]. In Χ. Αναγνωστοπούλου, Α. Τριανταφυλλάκη, Δ. Κόνιαρη, & **Κ. Δρακουλάκη** (Eds.), Έρευνα και εφαρμογές στη Μουσική Ψυχολογία [Research and Applications in Music Psychology]. Ελληνική Ένωση για τη Μουσική Εκπαίδευση [Greek Society for Music Education].

## Pre-prints

**Drakoulaki, K.** (2022). Similarities and differences in language and music: using Marr's 3 levels of analysis. Retrieved from [psyarxiv.com/pur2g](https://psyarxiv.com/pur2g)

## Conference presentations

**Drakoulaki, K.**, Di, Y., Yang, X., Breen, M., (2024). *Early readers' implicit prosody development of metrically regular rhymed language*. Psychonomic Society 65th Annual Meeting New York City, United States.

Zuk, J., Fiveash, A., Breen, M., **Drakoulaki, K.** (2024). *Rhythmic and metric pathways into language and reading development*. [Symposium] Society for Music Perception and Cognition conference 2024. Banff: Canada.

**Drakoulaki, K.**, Anagnostopoulou, C., Guasti, M-T., Tillman, B., Varlokosta, S. (2021). *Potential relations between language skills with music skills and general cognitive skills in pre-schoolers*. 16th International Conference on Music Perception and Cognition and 11th triennial conference of the European Society for the Cognitive Sciences of Music, online.

**Drakoulaki, K.** (2019). *Similarities and differences in language and music: Using Marr's 3 levels of analysis*. Music and Language 2019, Athens, Greece.

**Drakoulaki, K.** (2018). *Presenting the issue of terminology for Developmental Language Disorder; names and why we should discuss them*. Language Disorders in Greek 7, Athens: Greece.

**Drakoulaki, K.** (2017). *What can grammaticality judgments tell us about musical syntax? An investigation of the paradigm*. 9th Athens Postgraduate and PhD candidate Conference, Athens, Greece.

## Peer-reviewed poster presentations

**Drakoulaki, K.**, Di, Y., Breen, M. (2024). Eye movements during silent reading of poetry reflect metric and rhyme structure. 34th Human Sentence Processing conference. Ann Arbor: United States of America. <https://osf.io/5typh/>

Varlokosta, S., **Drakoulaki, K.**, Boznou, A., Nerantzini, M. & Peristeri, E. (2023). Narrative production and executive functions in individuals with Broca's aphasia. 61st Academy of Aphasia. Reading: United Kingdom

Nerantzini, M., Katsimpokis, D., **Drakoulaki, K.**, Boznou, A., Andrikopoulou, A., Peristeri, E. & Varlokosta, S. (2023). Processing temporary syntactic ambiguities in Greek; an eye-tracking study. 61st Academy of Aphasia. Reading: United Kingdom

**Drakoulaki, K.**, Nerantzini, M., Katsimpokis, D., Andrikopoulou, A., Boznou, A., Peristeri, E., Economou, A. & Varlokosta, S. (2023) Cognitive intervention in patients with left hemisphere lesions and aphasia; implications on sentence comprehension. Eye-tracking and language processing conference. Athens: Greece

**Drakoulaki, K.**, Nerantzini, M., Peristeri, E., & Varlokosta, S. (2022). Investigating syntactic ambiguity within the lens of executive functions in atypical populations: eye tracking as a pre- and post- cognitive therapy measure. European Summer School on Eye Movements. Bonn: Germany.

Polytimou, N., Anagnostopoulou, C., Bairaktari, O., **Drakoulaki, K.**, Franco, F., & Triantafyllaki, A. (2022). Assessment of the Home Musical Environment in Greek Families: Validation of the Music@Home Questionnaire. Society for Music Psychology, Research and Education 50th Anniversary Conference, London, United Kingdom.

**Drakoulaki, K.**, Anagnostopoulou, C., Guasti, M. T., Tillmann, B., & Varlokosta, S. (2021). Language, executive functions, and rhythm abilities in Greek pre-schoolers: A correlational approach. Presented at The Neurosciences and Music - VII. Connecting with Music across the Lifespan, online

**Drakoulaki, K.**, & Lickley, R. (2017). Grammaticality judgments in linguistic and musical structures. In P. M. C. Harrison (Ed.), Proceedings of the 10th International Conference of Students of Systematic Musicology. London, UK.

## ■ Scholarships and awards

- Spring 2021 **Teaching assistantship scholarship: module 'Music Psychology', Department of Music Studies, National and Kapodistrian University of Athens**
- 2020-2021 **Frictionless Data for Reproducible Research Fellowship, Open Knowledge Foundation (OKF), United Kingdom**
- 2019 **SEMPRE award - Again & Again Musical: Repetition in Aesthetics, Analysis and Experience, City University London, Society for Education, Psychology, and Music Research, United Kingdom**
- 2019 **SEMPRE award - SEMPRES Graduate Conference, University of Cambridge , Society for Education, Psychology, and Music Research, United Kingdom**
- 2018-2021 **PhD scholarship under the project "Strengthening Human Resources Research Potential via Doctorate Research" (MIS-5000432), co-financed by Greece and the European Union (European Social Fund- ESF), State Scholarships Foundation (IKY), Greece**

## ■ Editorial and Reviewing experience

- 2023 - **Assistant Editor, Psychology of Music, Sage**  
present
- 2023 **Invited Review Editor, Frontiers in Psychology**
- 2022 **Collected volume Co-Editor Research and Applications in Music Psychology (in preparation), Greek Society for Music Education**
- 2022 **Invited reviewer, The Linguistic Review, De Gruyter**
- 2018 **Invited reviewer for special issue on Auditory Story Comprehension, Journal Language, Cognition and Neuroscience**
- 2018 **Invited reviewer, 11th International Conference of Students of Systematic Musicology (SysMus)**

## Teaching experience

- 2025 (Spring semester) **Language, music, and the mind**, *Department of Psychology and Education, Mount Holyoke College, Massachusetts*
- 2024 (Fall semester) **Language acquisition and disorders in childhood**, *Department of Psychology and Education, Mount Holyoke College, Massachusetts*
- 2021 **Undergraduate module Cognitive Musicology: music, language and the mind - independently taught**, *Faculty of Music Studies, National and Kapodistrian University of Athens*, teaching supported by teaching fellowship from the Faculty of Music Studies
- 2021 **Undergraduate module Music Psychology - co-taught with Christina Anagnostopoulou**, *Faculty of Music Studies, National and Kapodistrian University of Athens*, teaching supported by teaching fellowship from the Faculty of Music Studies
- 2020 **Undergraduate module Cognitive Musicology: music, language and the mind - co-taught with Christina Anagnostopoulou**, *Faculty of Music Studies, National and Kapodistrian University of Athens*
- 2019 **Undergraduate module Cognitive Musicology: music, language and the mind - co-taught with Christina Anagnostopoulou**, *Faculty of Music Studies, National and Kapodistrian University of Athens*
- Student thesis supervision
- 2024 **Undergraduate thesis co-supervision**, *Elli Antonakou, department of Music Studies, NKUA*, Investigating the role of familiarity and preference in music listening using pupillometry
- 2023 **Undergraduate thesis co-supervision**, *Despoina Manali, department of Linguistics, NKUA*, The role of music and cognitive functions in pre-schoolers' language abilities
- 2023 **Undergraduate thesis co-supervision**, *Aikaterini Papaioannou, department of Linguistics, NKUA*, The role of music and cognitive functions in pre-schoolers' language abilities
- 2021 **Undergraduate thesis co-supervision**, *Alexandra Saivanidou, department of Linguistics, NKUA*, The rhythmic priming paradigm in Greek: grammaticality judgments and subject-object relative clause comprehension tasks in pre-school children

## Invited Lectures

- 2024 **Invited lecture**, *Speech and Language Literacy Lab*, Lab Director: Tiffany Hogan, MGH Institute of Health Professions
- 2021 **Invited lecture**, *Department of Linguistics*, Departmental Talk Series, National and Kapodistrian University of Athens
- 2021 **Invited lecture**, *Basic and Applied NeuroDynamics Laboratory*, Lab Director: Sonja Kotz, University of Maastricht

- 2018 **Invited lecture: Introduction to language disorders, undergraduate module Introduction to Linguistics, Department of Italian Language and Philology, National and Kapodistrian University of Athens**

## Science Communication (workshops and invited lectures)

- 2021 - 2023 **Athens PyLadies introduction to Python workshops, Bi-weekly workshops targeted at undergraduate and postgraduate students from the School of Philosophy, National and Kapodistrian University of Athens**
- 2021 **Frictionless Data workshop led by the Reproducible Research fellows - Birds of a Feather session, csvconf version 6. (on-line) <https://csvconf.com/schedule/>**
- 2021 **Humanities and STEM: acquiring digital skills in the humanities, Organized by Athens Pyladies, Psycholinguistics and Neurolinguistics Lab, and Music, Cognition, Computation, and Community Lab, National and Kapodistrian University of Athens**
- 2021 **Athens PyLadies co-founder, The chapter was created to organize events targeting training humanities students in Python**
- 2021 **Invited lecture: Practical applications of data management and data validation, Psycholinguistics and Neurolinguistics Laboratory Invited Talks, National and Kapodistrian University of Athens**
- 2021 **Invited lecture: Validation with Goodtables, MA Digital Humanities, College of Humanities and Social Sciences, Hamad Bin Khalifa University Qatar (virtual)**
- 2020 - 2024 **Invited lecture: An introduction to Open Science and Open Data: what is it and why use it?, MA Digital Humanities, College of Humanities and Social Sciences, Hamad Bin Khalifa University Qatar (virtual)**
- 2020 **Invited lecture: An introduction to Open Science and Open Data: what is it and why use it?, Psycholinguistics and Neurolinguistics Laboratory Invited Talks, National and Kapodistrian University of Athens**

## Extra-curricular university involvement

- 2019 **Organization of the Language and Music 2-day conference, National and Kapodistrian University of Athens, <https://sites.google.com/view/languagemusic2019/>**
- 2019 **Organization of the Language and Music talk series, National and Kapodistrian University of Athens, <https://sites.google.com/view/languagemusic2019/>**
- 2018 **Member of the organizational committee for the Empirical Methods in Psycholinguistics summer school, Lab of Psycholinguistics and Neurolinguistics, Athens, Greece**
- 2018 **Member of the organizational committee for the Language Disorders in Greek 7 conference, Athens, Greece**

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## Summer schools and training

- 2023 **Eye-tracking Training School**, *MultiPEYE Cost Action*, Kaunas University of Technology, Kaunas, Lithuania
- 2023 **Carpentries Instructor Training**, *The Carpentries*
- 2022 **European Summer School on Eye Movements**, *Bonn University*, Bonn, Germany
- 2022 **4th CreteLing Summer School**, *University of Crete*, Rethymnon, Greece
- 2021 **Aarhus Summer school in Music Neuroscience**, *Aarhus University*, Aarhus, Denmark
- 2021 **Cross-European Winter school in Musical Ability**, *European Society for the Cognitive Sciences of Music*
- 2020 **Creating experiments in PsychoPy workshop**, *University of Nottingham*, United Kingdom
- 2018 **Empirical Methods in Psycholinguistics**, *National and Kapodistrian University of Athens*, Athens, Greece
- 2018 **Music, language, and cognition: Organizing events in time**, *University of Koeln*, Koeln, Germany
- 2017 **Music, language, and cognition International Summer school**, *University of Milano Bicocca, University of Pavia, Music Conservatory of Como*, Como, Italy

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## Clinical experience

- 2015–present **Health and Care Professions Council member**, **United Kingdom**
- 2016–present **Speech Language Pathologists' Registration Council member**, **Cyprus**
- 2015–2018 & **Speech and Language Therapy positions**, *Private clinics*, Athens, Greece
  - 2022 Positions in paediatric private clinics dealing with language delay, language disorder, ASD, learning difficulties, ADHD, and stuttering.
- 2013–2015 **Clinical Placements**, *NHS Scotland*, Queen Margaret University
  - Clinical placements in NHS Scotland paediatric and adult clinics and hospitals, and special schools to fulfil requirements for registration to the Health and Care Professions Council, UK

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## Technical skills

- Eye-tracking for reading and pupillometry (SR Research software suite)
- Electroencephalography for auditory cognition (BioSemi and Brain Products systems)
- MATLAB for EEG processing (EEGLAB, ERPLAB)
- Python (numpy, pandas, pingouin), R (tidyverse, psychr, bookdown)
- PsychoPy, OpenSesame
- LaTeX, RMarkdown, Office Suite
- Data description (Frictionless Data Toolkit)

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## Research Interests

- Language, cognitive and music abilities in typically developing and atypical populations (i.e. Developmental Language Disorder, Developmental Dyslexia, Autism Spectrum Disorder, Williams Syndrome, ADHD, Aphasia, Alzheimer's)
- Research methods in psycholinguistics and cognitive (neuro-) science
- Music, cognitive, and language abilities in typically developing bilinguals and musicians
- Intervention studies in atypical populations - effectiveness of treatment
- Formal relationship between linguistic and musical (syntactic) analysis
- Open Science, reproducible research, science communication
- Cross-cultural differences in music exposure and music and language development

## --- Languages

Modern Greek	Native	
English	Native-like proficiency	<i>IELTS</i>
French	Independent user	<i>Sorbonne C1</i>
Greek Sign Language	Independent user	

## --- Referees

- Dr. Mara Breen, Professor of Psychology, Mount Holyoke College, mbreen@mtholyoke.edu
- Dr. Spyridoula Varlokosta, Professor of Psycholinguistics, National and Kapodistrian University of Athens, svarlokosta@phil.uoa.gr
- Dr. George Mikros, Professor of Computational and Quantitative Linguistics, Hamad bin Khalifa University, gmikros@hbku.edu.qa