

Dr. Katerina Drakoulaki

Curriculum Vitae

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Education

2016–2021 **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*

Committee supervisors: Spyridoula Varlokosta, Professor, Department of Linguistics, National and Kapodistrian University of Athens

Christina Anagnostopoulou, Associate Professor, Department of Music Studies, National and Kapodistrian University of Athens

Maria Teresa Guasti, Professor, Department of Psychology, University of Milano-Bicocca

- design theoretically-driven behavioral experiments for pre-school children with and without language difficulties
- design experiments using PsychoPy
- pilot stimuli related to musical enculturation
- data analysis using Python and R
- translate and validate questionnaires regarding music exposure
- design and administer complex, multi-session protocol
- organize conferences and events around music cognition, language and music, and language disorders
- data packaging and validation tools for open science

2013–2016 **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?

Supervisor: Robin Lickley, Reader, Speech and Hearing Sciences Division, Queen Margaret University, Edinburgh

2008–2013 **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 experience

August 2023 - **Postdoctoral Fellow, Department of Psychology and Education, Mount Holyoke College, Massachusetts**, funded by the National Institute of Health, USA, PI: Mara Breen, Mount Holyoke College, Massachusetts

- May 2022 – **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
- July 2023
- April 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
- December 2022

Clinical experience

- 2015–present **Health and Care Professions Council member, United Kingdom**
- 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

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 - SEMPRE 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

Journal articles in preparation

Drakoulaki, K., Anagnostopoulou, C., Guasti, M-T., Mikros, G., Tillman, B., Varlokosta, S. (under revision). *Investigating the role of cognitive skills in pre-schoolers' language and rhythm abilities*.
 Drakoulaki, K., Anagnostopoulou, C., Guasti, M-T., Tillman, B., Varlokosta, S. (submitted). *Framing music and language research on a domain-specific versus domain-general framework: a review of theory and empirical data*.

Pre-prints

Drakoulaki, K. (2022, January 28). Similarities and differences in language and music: using Marr's 3 levels of analysis. Retrieved from psyarxiv.com/pur2g

Conference talks

Drakoulaki, K., Anagnostopoulou, C., Guasti, M-T., Tillman, B., Varlokosta, S. (July 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.

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*. Presented at the Language Disorders in Greek 7, Athens: Greece.

Drakoulaki, K. (2017). *What can grammaticality judgments tell us about musical syntax? An investigation of the paradigm*. Presented at the 9th Athens Postgraduate and PhD candidate Conference, Athens: Greece. Retrieved from <https://goo.gl/GTgAF4>

Poster presentations

Drakoulaki, K., Nerantzini, M., Peristeri, E., & Varlokosta, S. (2022, September). 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, August). 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, July). 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

Drakoulaki, K. (2018). Exploring the rhythmic abilities of Greek-speaking children with Specific Language Impairment: Evidence from correlational and priming studies. Presented at the Music, language, and cognition: Organizing events in time Spring School, Cologne: Germany.

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. Retrieved from <https://sysmus17.qmul.ac.uk/proceedings/>

Editorial and Reviewing experience

2023 - **Assistant Editor**, *Psychology of Music*, Sage

- 2022 **Editor for a collected volume** *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

- 2021 (Spring Semester) **Undergraduate thesis supervision**, Alexandra Saivanidou, department of Linguistics, The rhythmic priming paradigm in Greek: grammaticality judgments and subject-object relative clause comprehension tasks in pre-school children
- 2021 (Spring Semester) **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 (Spring Semester) **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 (Spring Semester) **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 (Spring Semester) **Undergraduate module Cognitive Musicology: music, language and the mind - co-taught with Christina Anagnostopoulou**, Faculty of Music Studies, National and Kapodistrian University of Athens
- 2018 and 2019 (Winter Semester) **Lecture: 'Language and music: theories and evidence around competence and performance, undergraduate module Psycholinguistics/Neurolinguistics**, Department of Linguistics, Faculty of Philology, National and Kapodistrian University of Athens

Invited Lectures

- 2021 (November) **Invited lecture**, Department of Linguistics, Departmental Talk Series, National and Kapodistrian University of Athens
- 2021 (October) **Invited lecture**, Basic and Applied NeuroDynamics Laboratory, Lab Director: Sonja Kotz, University of Maastricht
- 2021 (August) **Invited lecture**, Speech, Language and Music Lab, Lab Director: Yune Lee, University of Texas at Dallas
- 2018 (December) **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

- 2021 (June) - **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 (May) **Frictionless Data workshop led by the Reproducible Research fellows - Birds of a Feather session, csvconf version 6. (on-line)** <https://csvconf.com/schedule/>
- 2021 (April) **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 (January) **Athens PyLadies founder**, The chapter was created to organize events targeting training humanities students in Python
- 2021 (April) **Invited lecture: Practical applications of data management and data validation**, *Psycholinguistics and Neurolinguistics Laboratory Invited Talks*, National and Kapodistrian University of Athens
- 2021 (February) **Invited lecture: Validation with Goodtables**, *MA Digital Humanities*, College of Humanities and Social Sciences, Hamad Bin Khalifa University Qatar (virtual)
- 2020 (November) **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 (December) **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

Summer schools and training

- 2023, April **Eye-tracking Training School**, *MultipIEYE Cost Action*, Kaunas University of Technology, Kaunas, Lithuania
- 2023, February **Carpentries Instructor Training**, *The Carpentries*

- 2022, September **European Summer School on Eye Movements**, *Bonn University*, Bonn, Germany
- 2022, July **4th CreteLing Summer School**, *University of Crete*, Rethymnon, Greece
- 2021, July **Aarhus Summer school in Music Neuroscience**, *Aarhus University*, Aarhus, Denmark
- 2021, February **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, May **Empirical Methods in Psycholinguistics**, *National and Kapodistrian University of Athens*, Athens, Greece
- 2018, March **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

Technical skills

- Python (numpy, pandas, pingouin), R (tidyverse, psychr, bookdown)
- PsychoPy, OpenSesame
- Git / Github (code review, branch management, and issue management)
- LaTeX, RMarkdown, Office Suite
- Data description (Frictionless Data Toolkit)
- SR Eyelink Portable Duo, SR Experiment Builder, SR DataViewer

Research Interests

- Music, cognitive, and language abilities in typically developing and atypical populations (i.e. Developmental Language Disorder, Developmental Dyslexia, Autism Spectrum Disorder, Williams Syndrome, ADHD, Aphasia, Alzheimer's)
- 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. Spyridoula Varlokosta, Professor of Psycholinguistics, National and Kapodistrian University of Athens, svarlokosta@phil.uoa.gr
- Dr. Christina Anagnostopoulou, Associate Professor of Music Informatics, National and Kapodistrian University of Athens, chrisa@music.uoa.gr
- Dr. George Mikros, Professor of Computational and Quantitative Linguistics, Hamad bin Khalifa University, gmikros@hbku.edu.qa
- Dr. Maria Teresa Guasti, Professor of Psycholinguistics, University of Milan-Bicocca, mariateresa.guasti@unimib.it