

Kyriaki Neophytou

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PROFESSIONAL EXPERIENCE

University of Nicosia, UNIC Athens	2025 – Present
Assistant Professor of Psychology – Department of Social Sciences Department & Psychology Program Director	
Open University of Cyprus	2024 – 2026
Adjunct Lecturer for MSc program in Cognitive Systems	
Johns Hopkins Medicine	2023-2025
Post-doctoral researcher in Department of Neurology (P.I.: Kyrana Tsapkini)	
New York University Abu Dhabi	2015 - 2017
Research Assistant at the Neuroscience of Language - MEG Lab (P.I.: Alec Marantz)	

EDUCATION

Johns Hopkins University	
Ph.D. in Cognitive Science	2023
M.A. in Cognitive Science	2018
Advisors: Brenda Rapp; Kyrana Tsapkini	
Utrecht University	2014
M.A. in Linguistics (Research) Advisor: Sergey Avrutin	
University of Cyprus	2012
B.A. in English Language and Literature	
Other Certificates	
Montreal Cognitive Assessment (MoCA) Training Certificate	2023
Johns Hopkins University, Teaching Academy Completion Certificate	2020

GRANTS & AWARDS

UNIC Athens Seed Funding (12,500 euros)	2026
Society for the Neurobiology of Language Trainee Scholarship Award	2024
JHU Office of Research Award for Overall Excellence in Research Communication	2022
Academy of Aphasia Best Student Paper Award (2 nd prize)	2021
Student Scholar Award for the 15 th Annual Eleanor M. Saffran Conference	2021
Academy of Aphasia Best Student Paper Award (3 rd prize)	2020
Academy of Aphasia Young Investigator Travel Fellowship	2020

Onassis Foundation Scholarship for Hellenes	2019 - 2022
NIDCD fellowship for the Research Symposium in Clinical Aphasiology	2019
Academy of Aphasia Young Investigator Travel Fellowship	2018

PEER-REVIEWD PUBLICATIONS

Loh, K. K., **Neophytou, K.**, Drudik, K., Barbeau, E. B., Tsapkini, K., & Petrides, M. (2026). Ventral temporal-frontal pathways in the human brain based on diffusion MRI tractography. *NeuroImage*, 335, 121982.

Neophytou, K., Kasselimis, D. S., Angelopoulou, G., Deligiannaki, A., Bourtsoukli, R., Peristeri, E., ... & Tsapkini, K. (2025). Targeting Executive Function and Language Impairments with tACS Combined with Behavioral Intervention in Primary Progressive Aphasia: A Case-Series, Pilot Investigation. *Brain Sciences*, 15(11), 1199.

Neophytou, K., Chriskos, P., Gallegos, J., Afthinos, A., Frangakis, C. E., Crone, N. E., ... & Tsapkini, K. (2025). Verbal learning in logopenic variant Primary Progressive Aphasia: an EEG investigation. *Neurobiology of Aging*.

Chriskos, P.*, **Neophytou, K.***, Frantzidis, C. A., Gallegos, J., Afthinos, A., Onyike, C., ... & Tsapkini, K. (2025). The use of low-density EEG for the classification of PPA and MCI. *Frontiers in Human Neuroscience*, 19, 1526554. (* indicates equal contribution)

Tippett, D. C., **Neophytou, K.**, Tao, Y., Gallegos, J., Morrow, C., Onyike, C. U., & Tsapkini, K. (2025). Letter to the Editor Response to: Is Transcranial Direct Current Stimulation Really Beneficial for Frontotemporal Dementia?(Published 12-18-2024). *Journal of Central Nervous System Disease*, 17, 11795735251339997.

Tippett, D., Surrao, K., **Neophytou, K.**, Kim, H., Gallegos, J., Themistocleous, C., Rapp, B., Hillis, A., & Tsapkini, K. (2025). Written Picture Descriptions Distinguish Variants of Primary Progressive Aphasia. *Journal of Alzheimer's Disease*, 108(1), 334-352.

Sagi, R., Jossinger, S., Taylor, J. S. H., **Neophytou, K.**, Rapp, B., Rastle, K., & Ben-Shachar, M. (2025). Cerebello-cerebral pathways contribute to written word production. *Neurobiology of Language*, 1-50.

Neophytou, K., Wiley, R. W., & Rapp, B. (2024). Cognitive control in written word production. *Frontiers in Language Sciences*, 3, 1398125.

Neophytou, K., Williamson, K., Herrmann, O., Afthinos, A., Gallegos, J., Martin, N., ... & Tsapkini, K. (2024). Home-Based Transcranial Direct Current Stimulation in Primary Progressive Aphasia: A Pilot Study. *Brain Sciences*, 14(4), 391.

Tippett, D. C., **Neophytou, K.**, Tao, Y., Gallegos, J., Morrow, C., Onyike, C. U., & Tsapkini, K. (2024). Long-term, home-based transcranial direct current stimulation coupled with computerized cognitive training in frontotemporal dementia: A case report. *Journal of Central Nervous System Disease*, 16, 11795735241258435.

Sagi R., Taylor J.S.H., **Neophytou K.**, Cohen T., Rapp B., Rastle K., & Ben-Shachar M. (2024). White Matter Associations with Spelling Performance. *Brain Structure and Function*, 1-21.

Neophytou, K., Wiley, R., Litovsky, C., Tsapkini, K., & Rapp, B. (2023). The right hemisphere's capacity for language: Evidence from primary progressive aphasia. *Cerebral Cortex*, 33(18), 9971-9985.

Themistocleous, H., **Neophytou, K.**, Rapp, B., & Tsapkini, K. (2020). A tool for Automatic Scoring of Spelling Performance. *Journal of Speech, Language and Hearing Research: JSLHR*, 63(12), 4179-4192.

Neophytou, K., Wiley, R. W., Rapp, B., & Tsapkini, K. (2019). The use of spelling for variant classification in primary progressive aphasia: Theoretical and practical implications. *Neuropsychologia*, 107157.

Stockall, L., Manouilidou, C., Gwilliams, L., **Neophytou, K.**, & Marantz, A. (2019). Prefix Stripping Re-Re-Revisited: MEG investigations of Morphological Decomposition and Recomposition. *Frontiers in Psychology*, 10, 1964.

Neophytou, K., Manouilidou, C., Stockall, L., & Marantz, A. (2018). Syntactic and semantic restrictions on morphological recomposition: MEG evidence from Greek. *Brain and Language*, 183, 11-20.

Neophytou, K., van Egmond, M., & Avrutin, S. (2017). Zipf's Law in Aphasia Across Languages: A Comparison of English, Hungarian and Greek. *Journal of Quantitative Linguistics*, 24(2-3), 178-196.

Oltra-Massuet, I., Sharpe, V., **Neophytou, K.**, & Marantz, A. (2017). Syntactic priming as a test of argument structure: A self-paced reading experiment. *Frontiers in Psychology*, 8, 1311.

Toledo, A., Alexandropoulou, S., Chesney, S., Grimm, R., Kokke, P., Kruit, B., **Neophytou, K.**, Nguyen, A., & Winter, Y. (2014). A Proof-Based Annotation Platform of Textual Entailment. In: *Proceedings 10th Joint ISO-ACL SIGSEM Workshop on Interoperable Semantic Annotation 2014*: 21.

Toledo, A., Alexandropoulou, S., Chesney, S., Grimm, R., Kokke, P., Kruit, B., **Neophytou, K.**, Nguyen, A., & Winter, Y. (2014). Annotating by Proving using SemAnTE. In *Proceedings of the Demonstrations at the 14th Conference of the European Chapter of the Association for Computational Linguistics* (pp. 77-80).

WORK IN PREPARATION

Neophytou K., Papatriantafyllou, J., & Tsapkini K. (Under review). The role of the right and left hemispheres in verbal fluency: evidence from bvFTD and nfvPPA.

Themistocleous, C., Protopapas, A., Stark, B. C., & **Neophytou, K.** (Under review). Automatic aphasia severity score from narrative discourse: An information theoretic approach.

Kodjayeredou, E., Rapp, B. & **Neophytou, K.**, (In prep). Right hemisphere white matter tracts and spelling performance in post-stroke aphasia.

NON PEER-REVIEWD MANUSCRIPTS

Neophytou, K. (2023). Selection in Written Language Production: Evidence from Aphasia. Doctoral Dissertation. <https://jscholarship.library.jhu.edu/items/4732764b-1493-44e9-83f7-1e67f691d98a>

Neophytou, K. (2014). Production of verbs in Greek: The effect of Regularity and Inflectional entropy. Master Thesis. <http://dspace.library.uu.nl/handle/1874/295797>

CONFERENCE PRESENTATIONS (selected)

Neophytou, K., Kasselimis, D. S., Angelopoulou, G., Deligiannaki, A., Bourtsoukli, R., Peristeri, E., Spanou, V., Papageorgiou, S. G., Constantinides, V. C., Potagas, C., & Tsapkini, K. (2026, July 1-3). Targeting Executive Function and Language Impairments with tACS Combined with Behavioral Intervention in Primary Progressive Aphasia: A Case-Series, Pilot Investigation Poster presentation at International Aphasia Rehabilitation Conference (IARC). Athens, Greece, July 2026.

Neophytou, K., Papatriantafyllou, J., & Tsapkini, K. *The role of the right and left hemispheres in verbal fluency: evidence from bvFTD and nfvPPA.* Oral presentation at Academy of Aphasia 63rd Annual Meeting, San Diego, CA, USA, October 2025.

Neophytou K., Papatriantafyllou, J., & Tsapkini, K. *Verbal fluency and brain integrity in behavioral variant FTD.* Poster presentation at the Society for the Neurobiology of Language, Washington DC, USA, September 2025.

Neophytou, K., Loh, K. K., Petrides, M. & Tsapkini, K. *White matter contributions to lexical and semantic retrieval in Primary Progressive Aphasia.* Oral presentation at Mental Lexicon conference, Montreal, Canada, May 2025.

Neophytou K., Chriskos P., Gallegos J., Crone, N., Bamidis P.D., & Tsapkini K. *Learning in logopenic variant Primary Progressive Aphasia: an EEG investigation.* Poster presentation at the Society for the Neurobiology of Language, Brisbane, Australia, October 2024.

Neophytou, K., Loh, K. K., Petrides, M. & Tsapkini, K. *The contribution of the Temporo-Frontal Extreme Capsule Fasciculus and the Uncinate Fasciculus in Semantic Processing in Primary Progressive Aphasia.* Oral presentation at Academy of Aphasia 62nd Annual Meeting, Nara, Japan, October 2024.

Neophytou, K., Loh, K. K., Petrides, M. & Tsapkini, K. *Differential Involvement of the Dorsal and Ventral Temporo-Frontal Extreme Capsule Fasciculus in Primary Progressive Aphasia.* Poster presentation at the 14th International Society for Frontotemporal Dementias Conference, Amsterdam, Netherlands, September 2024.

Neophytou, K., & Rapp, B. *Selection in Written Language Production: Evidence from Aphasia.* Oral presentation at Academy of Aphasia 61th Annual Meeting, Reading, UK, October 2023.

Neophytou, K., Wiley, R., Tsapkini, K., & Rapp, B. *The Right Hemisphere's Capacity for Language: Evidence from Primary Progressive Aphasia.* Oral presentation at the 6th Hellenic Cognitive Science Conference, Xylokastro, Greece, September 2023.

Neophytou, K., Wiley, R., Tsapkini, K., & Rapp, B. *The Right Hemisphere's Capacity for Language: Evidence from Primary Progressive Aphasia.* Poster presentation at the International Workshop on Language Production 2022, Pittsburgh, USA, June 2022.

Neophytou, K., Wiley, R., Tsapkini, K., & Rapp, B. *White Matter Changes in Primary Progressive Aphasia: Implications for Neuromodulatory Therapies of Language.* Oral presentation at the 11th Annual Conference of the Center for Applied Neuroscience – Cyprus (virtual), October 2021.

Neophytou, K., Wiley, R., Tsapkini, K., & Rapp, B. *The Right Hemisphere's Capacity for Language: Evidence from Primary Progressive Aphasia.* Oral presentation at the Academy of Aphasia 59th Annual Meeting (virtual), October 2021.

Neophytou, K., Wiley, R., Tsapkini, K., & Rapp, B. *White Matter Integrity in Primary Progressive Aphasia: Evidence for language processing in the two hemispheres.* Oral presentation at the British Aphasiology Society Conference 2021 (virtual), September 2021.

Neophytou, K., Wiley, R., Tsapkini, K., & Rapp, B. *White Matter Changes in Primary Progressive Aphasia: Implications for Neuromodulatory Therapies of Language.* Poster presentation at the 15th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience & Rehabilitation of Communication Disorders (virtual), September 2021.

***Neophytou, K.,** *Themistocleous, H., Rapp, B., & Tsapkini, K. *A tool for Automatic Scoring of Spelling Performance.* Poster presentation at Academy of Aphasia 58th Annual Meeting (virtual), October 2020. (* indicates equal contribution)

Neophytou, K., Rapp, B., Faria, A., & Tsapkini, K. *White matter integrity is associated with impairments in distinct spelling mechanisms: Evidence from Primary Progressive Aphasia.* Poster presentation at the Society for the Neurobiology of Language (virtual), October 2020.

Neophytou, K., Rapp, B., Faria, A., & Tsapkini, K. *White matter integrity is associated with impairments in distinct spelling mechanisms: Evidence from Primary Progressive Aphasia.* Oral presentation at Academy of Aphasia 57th Annual Meeting, Macau, China, October 2019.

Neophytou, K., Wiley, R., Tsapkini, K., & Rapp, B. *Understanding and classifying the different variants of Primary Progressive Aphasia based on spelling performance.* Oral presentation at the Writing Words Workshop 2019, Marseille, France, June 2019.

Neophytou, K., Wiley, R., Tsapkini, K., & Rapp, B. *Understanding and classifying the different variants of Primary Progressive Aphasia based on spelling performance.* Poster presentation at the Clinical Aphasiology Conference 2019, Montana, USA, May 2019.

Neophytou, K., Themistocleous, C., Wiley, R., Tsapkini, K., & Rapp, B. *Understanding and classifying the different variants of Primary Progressive Aphasia based on spelling performance.* Poster presentation at Academy of Aphasia 56th Annual Meeting, Montreal, Canada, October 2018.

Stockall, L., Manouilidou, C., **Neophytou, K.,** & Marantz, A. *The Derivation of Greek Deverbal Adjectives in Real Time.* Oral presentation at the A⁰: The Adjective as a Lexical Category Workshop, Bled, Slovenia, October 2018.

Neophytou, K., Manouilidou, C., Stockall, L., & Marantz, A. *When and where in the brain we process morphologically complex words: An MEG study on Greek.* Poster presentation at the NYUAD Postdoc Poster Day, Abu Dhabi, UAE, November 2016.

Neophytou, K., Manouilidou, C., Stockall, L., & Marantz, A. *Processing of lexical category and argument structure information in deverbal adjectives: An MEG study on Greek.* Poster presentation at the Society for the Neurobiology of Language, London, UK, September 2016.

Neophytou, K., & Avrutin, S. *Production of verbs in Greek: The effect of Regularity and Inflectional entropy.* Oral presentation at the Experimental Approaches to Arabic and other understudied languages (EXAL+) Conference, Abu Dhabi, UAE, January 2016.

Neophytou, K., Van Egmond, M. & Avrutin, S. *Word frequency distributions in aphasic speech across languages.* Oral presentation at the 5th UK Cognitive Linguistics Conference, Lancaster, UK, July 2014.

INVITED TALKS

'Alternative Treatments for PPA: Neurostimulation across languages'. Presented at the International Society for Frontotemporal Dementia (ISFTD) webinar on 'Drug Development & Clinical Trials for FTD', June 2026

'Word Production: Bilateral Contributions in Aphasia and Related Disorders'. Presented at University of Oslo, Department of Special Needs Education. May 2026.

'Bilateral contributions to word production: evidence from aphasia and related disorders'. Presented as part of the C-STAR lecture series (<https://cstar.sc.edu/lecture-series/>) organized by the University of South Carolina, December 2025.

'Selection in Written Language Production: Evidence from Aphasia'. Presented at seminar on Aphasia and Alternative & Augmentative Communication organized by the University of Oslo (virtual), June 2023.

'White Matter Language Tracts: Facts, Debates & How-to's'. Presented at webinar organized by Advantis Medical Imaging (<https://advantis.io/>), June 2022.

'Ορθογραφία και Πρωτοπαθής Προοδευτική Αφασία' (Orthography and Primary Progressive Aphasia). Presented at webinar organized by CogniHub (<https://cognihub.gr/>), March 2022.

'From Theory to Clinical Application: the case of Primary Progressive Aphasia'. Presented at MOSS Rehabilitation Center (virtual), February 2022.

'White Matter: Cognitive Processes and Neurodegeneration'. Presented at the 6th Annual Undergraduate Cognitive Science Society Omega Psi Conference (virtual), March 2021.

OTHER RESEARCH EXPERIENCE

McGill University – Montreal Neurological Institute (MNI) June 2023
Visiting Fellow (P.I.: Michael Petrides)

Utrecht University 2015
Research Assistant for the Early Prediction of Dyslexia: Machine Learning in Infant Data project (P.I.: Ao Chen)

Utrecht University 2013 - 2015
Semantic Annotator for Semantic Annotation for Textual Entailment (SemAnTE) Recognition project (P.I.: Yoad Winter)

TEACHING & MENTORSHIP EXPERIENCE

University of Nicosia, UNIC Athens

Instructor for:

Research Methods & Statistics II

Spring 2025

Brain & Behavior

Fall 2026

Open University of Cyprus

Master Thesis Supervisor

Fall 2025-Present

Lecturer for:

Cognitive Neuroscience class

Fall 2024/2025

*Student evaluation scores for 2024 (out of 5): 4.75**Student evaluation scores for 2025: TBA***CogniHub** (<https://cognihub.gr/>)

2023

Mentoring for Greek undergraduate students interested in Cognitive Science

Johns Hopkins University

Instructor for:

Neuroscience: Cognitive

Spring 2019/2020

*Student evaluation scores for 2019 (out of 5): Section 1: 4.40; Section 2: 4.77**Student evaluation scores for 2020 (out of 5): Section 1: 4.43; Section 2: 4.70*

Teaching Assistant for:

Introduction to Cognitive Neuropsychology

Fall 2019

Cognitive Neuroscience: Exploring the Living brain

Spring 2018

Language & Thought

Fall 2018

Undergraduate Student Mentorship/Supervision

Goucher College

Writing & Critical Thinking tutor for the Goucher Prison Education

2019 - 2020

Partnership (GPEP) program

SERVICE

Committees***International Society for Frontotemporal Dementia***

2025 - Present

Member of Communications Committee

Guest Editor***Frontiers in Psychiatry***

2026

Special issue on "Routine Clinical Data, Speech, Video, Mobile Data, and Wearables for Precision Psychiatry". [See here.](#)***Brain Sciences Journal***

2023

Special issue on "Artificial Intelligence Methods for Assessing Speech, Language, and Communication Functioning". [See here.](#)**Ad-hoc Manuscript Reviewer**

Journal of Cognitive Neuroscience; Cognitive Neuropsychology; Language, Cognition and Neuroscience; Aphasiology; Journal of Alzheimer's Disease; American Journal of Speech-Language Pathology; Logopedics Phoniatrics Vocology; American Journal of Speech-Language Pathology; Brain Sciences

Contribution to Diversity***Johns Hopkins University***

2020 - 2023

Member of Department of Cognitive Science Diversity and Representation Committee

Conferences/Workshops Committees***New York University Abu Dhabi***

2016

Experimental Approaches to Arabic and other understudied languages (EXAL+) Conference

Utrecht University

2013

Experimental Methods in Language Acquisition Research (EMLAR IX) Workshop

PROFESSIONAL MEMBERSHIPS

International Society for Frontotemporal Dementia	2024 - Present
Hellenic Cognitive Science Society	2023 - Present
Academy of Aphasia	2017 - Present
Society for the Neurobiology of Language	2016 - Present

PUBLIC ENGAGEMENT

The Snyder Center for Aphasia Life Enhancement (SCALE)

Supported Conversation volunteer for stroke survivors	2021 - 2023
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Goucher College

Writing & Critical Thinking tutor for the Goucher Prison Education Partnership (GPEP) program	2019 - 2020
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New York University Abu Dhabi

2016 - 2017

Swimming instructor at the Special Needs Athletic Program – Acquaintics Workshops	
Drama workshops instructor at the Abu Dhabi Center for Autism	