

Enikő Ladányi, PhD

Curriculum Vitae

Department of Linguistics
University of Potsdam
Haus 14, Karl-Liebknecht-Straße 24-25
14476 Potsdam

E-mail: eniko.ladanyi@uni-potsdam.de
Website: www.enikoladanyi.com

EDUCATION

- June 28, 2018** **PhD, Psychology, summa cum laude**
Budapest University of Technology and Economics, Budapest, Hungary
Thesis advisor: Dr. Ágnes Lukács
Dissertation title: *Cognitive control and its contribution to language difficulties in children with Specific Language Impairment*
- 2013** **M.A., Theoretical Linguistics**
Eötvös Lorand University of Sciences, Budapest, Hungary
Thesis advisor: Dr. Zoltán Bánréti
Thesis title: *Összetett szavak megértésének és produkciójának kísérleti vizsgálata*
[Experimental investigation of compound word comprehension and production]
- 2012** **M.Sc., Cognitive Science**
Budapest University of Technology and Economics, Budapest, Hungary
Thesis advisor: Dr. Ágnes Lukács
Thesis title: *Gátlás és munkaemlékezet a vonatkozó mellékmondatok megértésében gyerekeknél*
[The role of inhibition and working memory in relative clause comprehension in children]
- 2009** **B.A., Hungarian Literature and Linguistics** (Specialization in Applied Linguistics)
Eötvös Lorand University of Sciences, Budapest, Hungary

RESEARCH EXPERIENCE

- 2026-present** **Principal Investigator, Project B01, CRC “Limits of Variability in Language”**
Linguistics Department, University of Potsdam, Potsdam, Germany
- 2024-present** **Postdoc Network Brandenburg Postdoctoral Fellow**
Linguistics Department, University of Potsdam, Potsdam, Germany
Supervisor: Prof. Dr. Isabell Wartenburger
Maternity leave: Oct 2024 – Oct 2025
- 2022-2024** **Marie Skłodowska-Curie Postdoctoral Fellow**
Linguistics Department, University of Potsdam, Potsdam, Germany

Supervisor: Prof. Dr. Isabell Wartenburger

- 2022-present** **Adjunct Assistant Professor**
Music Cognition, Vanderbilt University Medical Center, Nashville, TN, USA
- 2019-2022** **Postdoctoral Fellow**
Music Cognition Lab, Vanderbilt University Medical Center, Nashville, TN, USA
Supervisor: Dr. Reyna Gordon
- 2018-2019** **Postdoctoral Fellow**
Laboratoire Psychologie de la Perception, Université Paris Descartes–CNRS, Paris
Supervisor: Dr. Judit Gervain
- 2015-2018** **Marie Skłodowska-Curie Early Stage Researcher**
Laboratoire Psychologie de la Perception, Université Paris Descartes–CNRS, France
(Research position as part of a Marie Curie Innovative Training Network to augment research experience while completing PhD requirements)
Supervisor: Dr. Judit Gervain
- 2015-2018** **Visiting Scholar**
Multiple visits over the course of three years
Cognitive Development Center, Central European University, Budapest, Hungary
Supervisor: Dr. Ágnes Melinda Kovács
- 2013** **Visiting PhD Student**
German Language and Linguistic Institute, Humboldt University, Berlin, Germany
Supervisor: Dr. Katharina Spalek
- 2012-2015** **PhD Student**
Department of Cognitive Science, Budapest University of Technology and Economics
Budapest, Hungary
Supervisor: Dr. Ágnes Lukács
- 2012-2015** **Junior Research Fellow**
Hungarian Academy of Sciences, Research Institute for Linguistics, Budapest, Hungary
(Research position held in parallel with PhD studies)
Supervisor: Dr. Zoltán Bánréti
- 2012-2013** **Master's Student Research Assistant**

Department of Theoretical Linguistics, Eötvös Lorand University of Sciences, Budapest, Hungary
Supervisor: Dr. Zoltán Bánréti

2011-2012

Master's Student Research Assistant

Department of Cognitive Science, Budapest University of Technology and Economics
Budapest, Hungary
Supervisor: Dr. Ágnes Lukacs

FURTHER TRAINING

2022 Nov-2023 Feb **Research Management and Leadership** training at the University of Potsdam

2021 Feb-2021 May **Management and Business Principles for Scientists** training at Vanderbilt University Medical Center

2021 **ASHA Lessons for Success** Workshop

TECHNICAL SKILLS, LANGUAGES

- Software
 - EEG/MEG data processing and analysis: MATLAB (eeglab and fieldtrip packages)
 - Experiment presentation: E-Prime, Open Sesame, PsyScope
 - Data analysis: R, JASP, SPSS
 - Game implementation: Unity
- Programming skills: R, MATLAB
- Electrical Geodesics EEG system – with infants, children and adults
- Languages: Hungarian - Native, English – Fluent, German-Basic

PRIZES, SCHOLARSHIPS, AWARDS

2023 **Brandenburg Postdoc Award** (for outstanding research conducted in the Brandenburg region; 20 000 Euros)

2021 **Best Poster Award** at Neuromusic VII Conference (12 posters presenting the most innovative research out of over 250 posters were awarded.
Poster title: *Are poor language skills associated with narrow entrainment region?*

2015-2018 **Early Stage Researcher** scholarship, Marie Skłodowska-Curie Actions, Innovative Training Network: PredictAble (www.predictable.eu)

2013 **DAAD Short-Term Research Grant** (1 month Visiting Scholar)
German Language and Linguistic Institute of Humboldt University, Berlin
Supervisor: Dr. Katharina Spalek

2012 **ELTE-BTK Scientific Advancement Grant**

Travel grant for participation on the NetWordS Summer School (2-6, July, 2012, Dubrovnik)

2011 **1st Place, Undergraduate Student Conference**, Institutional Round, Cognitive Science section

2011 Awardee, **Scientific Scholarship Competition**, Faculty of Humanities, Eötvös Lorand University of Sciences, Budapest Hungary
(financial award and recommendation for publication)

OTHER EXPERIENCE AND PROFESSIONAL MEMBERSHIPS

2021- GenLang Consortium (www.genlang.org)

2021- RADLD Ambassador (www.radld.org)

2019- Society for Music Perception and Cognition (www.musicperception.org)

SERVICE

2016-Present **Ad-hoc Peer Reviewer:**

Developmental Science, Cognition, Emotion, Music & Science, Psychology of Music, Infancy, Cognitive Science, Frontiers in Psychology, European Journal of Neuroscience, Scientific Reports

2019 **Organizer:** summer journal club on artificial grammar learning and working memory, Music Cognition Lab, Vanderbilt University Medical Center

2019-2021 **Organizer:** weekly team meetings, Music Cognition Lab, Vanderbilt University Medical Center – multiple 2-month-long periods

2019 **Member:** local organizing committee of the PredictAble closing conference, Jan 30 –Feb 1, 2019, Paris.

2017-2018 **Organizer:** weekly seminars of the Speech Research Group, Laboratoire Psychologie de la Perception, Université Paris, Descartes.

2016 **Member:** local organizing committee of the EUCDIS 2016 conference May 11-13, 2016, Budapest.

Outreach

2024 May **Potsdam Science Day 2024:** task demonstrations and discussions on my research with participants

2023 May - **Content management of my website** on my ongoing project (REGRAMM) on the relationship between grammar, musical rhythm and executive function on a website <https://www.ling.uni-potsdam.de/regramm/>

2022 November **Berlin science week 2022** task demonstrations and discussions on my research with participants

2021 July **Lecture** on the role of music in education to a group of 70 preschool teachers. (Preschool Rocks, Diocese of Nashville Catholic Schools, July 2021)

2021 March Was **interviewed** on *Singing brain*, an online show about neuroscience and music (<https://www.oneplaneteducation.com/the-singing-brain>).

2021 July-2022 June **Providing content** for the [Understanding Developmental Language Disorder Facebook group](#)

2020 October	Expert reviewer of a book entitled <i>The Musical Child</i> written by Joan Koenig to parents of young children on the importance of music
2020 September	Was a member of a Reddit Ask Me Anything panel on musicality, language, brain and genetics (https://www.reddit.com/r/askscience/comments/iwy7wz/askscience_a_ma_series_we_are_the_vanderbilt_music/)
2020 May	Was interviewed for a VUMC Discover article featuring our recent review paper (Ladányi, Persici et al., 2020) and our work in the Music Cognition Lab (https://discover.vumc.org/2020/05/studies-link-musical-rhythm-and-language/).
2020 March	Was interviewed on Hungarian radio about early morphological development (https://www.klubradio.hu/archivum/fulbevalo-2020-marcius-17-kedd-1300-9428)
2019-2020	Presented the Music Cognition Lab's research and performed demonstrations of music and language-related phenomena several times throughout the year. Adventure Science Center , Nashville, TN
2016-2018	Wrote articles on research projects for the newsletter of the Babylabs of the Descartes University, Paris and the Central European University, Budapest.

MENTORING EXPERIENCE

2026-2024-	Co-supervision of a PhD student at the University of Potsdam
2024-	Co-supervision of a PhD student at the University of Potsdam
2022-	Supervision of research assistants' work at the University of Potsdam
2020-2021	Supervision of senior design project entitled <i>Cognitive Quest</i> of four computer engineer students (Jesse Feng, Reese Phillips, Kahero Harriott, Ray Zhou) at Vanderbilt University, Nashville.
2019-2022	Supervision of research analysts' and interns' work (EEG data acquisition, analysis behavioral task development, data processing, presentation of results at conferences) at the Music Cognition Lab, Vanderbilt University Medical Center
2018	Supervision of interns' work at Laboratoire Psychologie de la Perception, Université Paris Descartes-CNRS
2018-2019	Co-supervision of a master's student's internship and thesis work at Laboratoire Psychologie de la Perception, Université Paris Descartes-CNRS
2017	Co-supervision of two master's students' data processing and analysis work
Thesis supervision	
2024	Bachelor thesis supervision in Speech and Language Pathology (1 student) and Computational Linguistics (1 student) University of Potsdam

2023-2024 **Master's thesis** supervision in Speech and Language Pathology
University of Potsdam

2019 June **Master's thesis** co-supervision in Speech and Language Pathology
Laboratoire Psychologie de la Perception, Université Paris Descartes–CNRS,
France

Dissertation examiner

2023 Dec Kertész Csaba, PhD dissertation on rhythmic tapping and reading
Eötvös Loránd University, Budapest, Hungary

2021 Oct Sólyom-Varga Zsuzsanna, PhD dissertation on speech rhythm processing in
infants.
Budapest University of Technology and Economics, Budapest, Hungary

Thesis examiner

2018 June Fruzsina Józsa, Master's thesis in Cognitive Science
Budapest University of Technology and Economics, Budapest, Hungary

TEACHING EXPERIENCE

2023 Sept **Invited lecture** for PhD students in the IDEALAB program, University of
Potsdam

2023 April **Guest lecture** at a Language Acquisition course for speech-language therapy
Masters students on the relationship between musical rhythm and grammar
processing at the University of Potsdam

2023 Jan **Guest lecture** at an Early Prediction of Developmental Disorders course for
speech-language therapy Bachelor students on using musical rhythm abilities
to predict language disorders at the University of Potsdam

2020 **Guest lecture** together with Dr. Reyna Gordon at Virginia Tech on Weaving
together music and science: New frontiers for our understanding of human
rhythm and language skills (via Zoom)

2014-2015 **Teaching Assistant**, Budapest University of Technology and Economics,
Budapest

- Master's level Psycholinguistics course
- Delivered 4 lectures

2012-2014 **Teaching Assistant**, Budapest University of Technology and Economics,
Budapest

- Undergraduate level Linguistics course
- Delivered 1 lecture in each semester

2014 **Teaching Assistant**, Eötvös Lorand University, Budapest

- Master's level Neurolinguistics course
- Delivered one lecture

PUBLICATIONS

Articles in peer-reviewed journals

Nayak, S., **Ladányi, E.**, Eising, E., Mekki, Y., Nitin, R., Bush, C. T., ... & Gordon, R. L. (2025). Musical rhythm abilities and risk for developmental speech-language problems and disorders: epidemiological and polygenic associations. *Nature Communications*, 16(1), 8355.

Contribution to conceptualization of the theoretical framework, Literature review, Edits on original submission

Scartozzi, A. C., Wang, Y., Bush, C. T., Kasdan, A. V., Fram, N. R., Woynaroski, T., ... & **Ladányi, E.** (2024). The Neural Correlates of Spontaneous Beat Processing and Its Relationship with Music-Related Characteristics of the Individual. *Eneuro*, 11(10).

Conceptualization, supervision of Data processing, analysis and visualization, Writing the paper, Revisions

Fiveash, A.*, **Ladányi, E.***, Camici, J., Chidiac, K., Bush, C.T., L-H Canette, Bedoin, N., Gordon, R.L., Tillmann, B. (2023). Regular rhythmic primes improve sentence repetition in children with developmental language disorder. *npj Science of Learning* 8(23). <https://doi.org/10.1038/s41539-023-00170-1>

Conceptualization, Stimulus development, Task implementation, Writing section of the paper (~1/4th of the paper)

* Co-first authors

Ladányi, E., ..., McAuley, J.D. & Gordon, R.L. (2023). Using Motor Tempi to Understand Rhythm and Grammatical Skills in Developmental Language Disorder and Typical Language Development. *Neurobiology of Language*, 4(1), 1-28. https://doi.org/10.1162/nol_a_00082

Conceptualization, Data processing, Data analysis, Data visualization, Writing the paper

Nayak, S., Coleman, P., **Ladányi, E.**, Nitin, R., Gustavson, D.E., Fisher, S., Magne, C., & Gordon, R.L. (2022). The Musical Abilities, Pleiotropy, Language, and Environment (MAPLE) Framework for Understanding Music-Language Links Across the Lifespan. *Neurobiology of Language*, 3(4), 615-664. https://doi.org/10.1162/nol_a_00079

Contribution to conceptualization of the theoretical framework, Literature review, Visualization, Writing sections of the paper, Edits on original submission

Dobó, D.E., **Ladányi, E.**, Szöllösi, Á., Németh, K., Lukics, K.S., & Lukács, Á. (2021). The Contribution of Cognitive Control and Short-Term Memory to Lexical Conflict Resolution in Developmental Dyslexia. *Clinical Linguistics & Phonetics*, 1-22. <https://doi.org/10.1080/02699206.2021.1998632>

Contribution to conceptualization of the theoretical framework, Study design, Task implementation, Edits on original submission and revision

Lense, M.D., **Ladányi, E.**, Rabinowitch, T.-C., Trainor, L.J., & Gordon, R.L. (2021). Rhythm and timing as vulnerabilities in neurodevelopmental disorders. *Philosophical Transactions B.*, 376, 20200327. <http://doi.org/10.1098/rstb.2020.0327>

Contribution to conceptualization of the theoretical framework, Literature review, Visualization, Writing sections of the paper (~1/5th of the paper), Edits on original submission and revision

Ladányi, E., Lukács, Á., & Gervain, J. (2021). Does rhythmic priming improve grammatical processing in Hungarian-speaking children with and without Developmental Language Disorder? *Developmental Science*, e13112. <https://doi.org/10.1111/desc.13112>

Conceiving the research question, Study design, Task implementation, Data collection, Data analysis and visualization, Writing the paper, Revisions

Ladányi, E., Persici, V., Fiveash, A., Tillmann, B., & Gordon, R.L. (2020). Is atypical rhythm a risk factor for developmental speech and language disorders? *WIREs Cognitive Science*, 11, e1528. <https://doi.org/10.1002/wcs.1528>

Conceptualization of the theoretical framework, Literature review, Visualization, Writing the paper, Revisions

Ladányi, E., Kovács, Á.M., & Gervain, J. (2020). How 15-month-old infants process morphologically complex forms in an agglutinative language? *Infancy*, 25(2), 190-204. <https://doi.org/10.1111/infa.12324>

Conceiving the research question, Study design, Task implementation, Data collection, Data analysis and visualization, Writing the paper, Revisions

Ladányi, E. & Lukács, Á. (2019). Word Retrieval Difficulties and Cognitive Control in Specific Language Impairment. *Journal of Speech Language and Hearing Research*, 62(4), 918-931. https://doi.org/10.1044/2018_JSLHR-L-17-0446

Conceiving the research question, Study design, Task implementation, Data collection, Data analysis and visualization, Writing the paper, Revisions

Ladányi, E., Kas, B., & Lukács, Á. (2017). The role of cognitive control in anaphor resolution in children with specific language impairment. *Applied Psycholinguistics*, 38(5), 1173-1199. <https://doi.org/10.1017/S0142716417000091>

Data collection, Data analysis and visualization, Writing the paper, Revisions

Ladányi, E., & Lukács, Á. (2016). Lexical Conflict Resolution in Children with Specific Language Impairment. *Journal of Communication Disorders*, 61, 119-130. <https://doi.org/10.1016/j.jcomdis.2016.04.004>

Task implementation, Data collection, Data analysis and visualization, Writing the paper, Revisions

Lukács, Á., **Ladányi, E.**, Fazekas, K., & Kemény, F. (2016). Executive Functions and the Contribution of Short-Term Memory Span in Children With Specific Language Impairment. *Neuropsychology*, 30(3), 296—303. <https://doi.org/10.1037/neu0000232>

Data collection, Edits and proofreading

Ladányi, E. (2012). A protonyelv lenyomatai afáziások beszédprodukcójában [Protolinguistic fossils in aphasic speech production]. *Magyar Pszichológiai Szemle*, 67(2), 357-367. <https://doi.org/10.1556/MPSzle.67.2012.2.6>

Published conference abstracts

Ladányi, E., Fazekas, K., Kemény, F., & Lukács, Á. (2014). Lexical deficits, working memory and cognitive control in specific language impairment. *Learning and Perception, Supplement 6*, 60-61.

Ladányi, E., Zakariás, L., & Lukács, Á. (2013). Lexical selection and cognitive control in children with SLI. *Learning and Perception, Supplement 5*, 37.

Zakariás, L., **Ladányi, E.**, & Lukács, Á. (2012). Cognitive control processes in word retrieval. *Learning and Perception, Supplement 4*, 49.

Book chapters

Boorom, O., Nayak, S., **Ladányi, E.**, Magne, C., & Gordon, R.L. (2025). Music and developmental disorders of reading and spoken language. In *The Oxford Handbook of Language and Music*. Oxford University Press.

Ladányi, E. (2024). A nyelvtani és a zenei ritmikai feldolgozás fejlődésének kapcsolata. [The relationship between the development of grammar and musical rhythm processing]. In *Általános Nyelvészeti Tanulmányok XXXVI*.

Ladányi, E., & Gervain, J. (2022). Language Development in Infancy. In *The Oxford Handbook of Developmental Cognitive Neuroscience*.

Ladányi, E., Gervain, J., & Forgács, B. (2022) Nyelvfeldolgozás [Language processing]. In *Pszichológiai Kézikönyv* [Handbook of Psychology]. (In Hungarian).

Ladányi, E. (2016): Nyelvi nehézségek és végrehajtó funkciók Broca-területen sérült afáziásoknál. [Linguistic difficulties and executive functions in patients with a damage to their Broca's area] In: Kas Bence (szerk.): „Szavad ne feledd!” *Tanulmányok Bánréti Zoltán tiszteletére* [„Don't forget your words!” Studies in honor of Zoltán Bánréti], Magyar Tudományos Akadémia – Nyelvtudományi Intézet, Budapest, 2016. 257—266.

Lukács, Á., Kemény F., **Ladányi E.**, Csifcsák G., & Pléh Cs. (2014). A nyelv idegrendszeri reprezentációja [The neural representation of language] In: *Pszicholingvisztikai kézikönyv I-II*. [Handbook for Psycholinguistics I-II.], 1089-1134.

Dissertation

Ladányi, E. (2018). Cognitive control and its contribution to language difficulties in children with Specific Language Impairment. Unpublished doctoral dissertation

Preregistration

Ladányi, E., Gustavson, D. E., & Gordon, R. L. *Do musical parents have children with better grammar?* Study preregistered at Open Science Framework registry (<https://osf.io/baenj>)

Ladányi, E., Boll-Avetisyan, N., Höhle, B., & Wartenburger, I. *The relationship of receptive grammar abilities with executive functions and musical rhythm processing abilities in 6-8-year-old German-speaking children.* Study preregistered at Open Science Framework registry (<https://osf.io/k7xsw>)

PRESENTATIONS

Invited talks

Creating gamified versions of traditional grammar, rhythm and executive functions tasks. Developing apps for speech-language therapy Workshop. University of Potsdam. May 16th, 2023.

How are musical rhythm processing and executive functions related to receptive grammar abilities? Colloquium of the Special Education Department at the Freie Universität. October 19th, 2022, virtual talk.

The developmental relationship between rhythm and grammar. Developmental Talk Series at the University of Toronto. March 4th, 2022, virtual talk.

Beat processing in infants and its relationship with early language development. Rhythm, Beat, and Oscillations in Music and Speech Workshop. January 14th, 2022, Lyon, France

Investigation of the relationships between grammar and musical rhythm with multiple methods. A joint Neurolinguistics & Psycholinguistics Colloquium. University of Potsdam, July 20th, 2021, virtual talk.

Talks

Ladányi, E., Nayak, S., Bush, C., Woynaroski, T.G, Lense, M.D., & Gordon, R.L. (2023, August 24-28). Early rhythm ability predicts grammar development: evidence for the Atypical Rhythm Risk Hypothesis. In A Fiveash & E Ladányi (chairs), *Toward a broader understanding of connections between music and speech/language: Insights from cognition, genetics, and developmental language disorders.* [accepted Symposium]. ICMPC17, Tokyo, Japan.

Ladányi, E., Nayak, S., Bush, C., Woynaroski, T.G, Lense, M.D., & Gordon, R.L. (2023, July 27-28). *Neural processing of rhythms in infancy predicts early grammatical development* [abstract accepted for an Oral presentation]. Musical minds: Exploring cognitive links between language and music, Konstanz, Germany.

Ladányi, E., Nayak S., Bush C., Wang, Y., Scartozzi, E., Boorom, O., Woynaroski, T.G., Lense, M.D., & Gordon, R.L. (2021, October 5-8). *Music-related neural and environmental predictors of early language development*. [Short talk]. Society for the Neurobiology of Language Virtual Meeting 2021.

Ladányi, E., Novakovic, M., Scartozzi, A., Boorom, O., Gustavson, D., Nitin, R., Fromboluti, E.K., Bamikole, P., Vaughan, C., McAuley, J. D., Gordon, R. L. (2021, June 18-21). *Are poor language skills associated with narrow entrainment region?* [Poster session and short talk in Best Poster Award session]. The Neurosciences and Music – VII (online participation). Best Poster Award recipient.

Ladányi, E., Lukács Á. & Gervain J.: Rhythmic priming improves grammatical skills. RPPW (17-20 June, 2019, Traverse City, U.S.).

Ladányi, E., Lukács Á. & Gervain J.: The effect of rhythmic priming in Hungarian-speaking children with SLI and with typical development. PredictAble Closing Conference (30 January-1 February, 2019, Paris, France).

Ladányi, E., & Gervain J.: The acquisition of bound morphemes in Hungarian and French infants. PredictAble Summer School and Project Meeting (29 May-2 June, 2017, Barcelona, Spain).

Ladányi, E., & Gervain J.: Phonological and lexical effects on word and morphology learning in children with low and high vocabulary: Evidence from Hungarian. PredictAble Summer School and Project Meeting (27 June-2 July, 2016, Potsdam, Germany).

Ladányi, E., & Gervain J.: The acquisition of agglutinating morphology: segmentation in Hungarian. GDR neurosciences cognitives du developpement (June 10, 2016, Paris, France).

Ladányi, E., Kas B., & Lukács, Á.: Anaphor resolution and cognitive control in children with SLI. EUCLDIS (May 11-13, 2016, Budapest, Hungary).

Bánréti Z., Kemény, F., Kas, B., & **Ladányi, E.**: Syntactic and lexical paradigms for artificial grammar learning. Debrecen Symposium - With and without sounds. With and without words workshop (October 8-9, 2014, Debrecen, Hungary).

Ladányi, E., & Lukács, Á.: Kognitív kontroll és lexikális előhívás specifikus nyelvfejlődési zavarban [Cognitive control and lexical retrieval in specific language impairment]. 12. Hungarian Scientific Conference of Vojvodinian Students (November 15-17, 2013, Novi Sad, Serbia).

Ladányi, E.: Az összetett szavak megértési folyamatai [Understanding compound words], 10. Hungarian Scientific Conference of Vojvodinian Students (November 24-27, 2011, Novi Sad, Serbia).

Ladányi, E.: A főnév-főnévi összetételek feldolgozásának dekompozíciós és integrációs folyamatai [Decomposition and integration in noun-noun compound processing]. Undergraduate Student Conference at Budapest University of Technology and Economics (November 16, 2011, Budapest, Hungary).

Poster presentations

(Student/mentee contributions are underlined)

Ladányi, E., Nayak, S., Bush, C., Woynaroski, T.G, Lense, M.D., & Gordon, R.L. (2024, May 9-10). Exploring the Link Between Early Rhythm Ability and Grammar Development [Poster session]. BabyRhythm Workshop, Padova, Italy.

Ladányi, E., Boll-Avetisyan, N., Höhle, B., & Wartenburger (2023, October 4-6). *The relationship of receptive grammar abilities with musical rhythm processing and with executive functions in 6-8-year-old children* [Poster session]. Crossing the borders conference, Potsdam, Germany

Ladányi, E., Fiveash, A., Boorom, O., Bush, C., Coleman, P., Wang, Y, Scartozzi, A., Tillmann, B., & Gordon, R.L. (2022, September 7-9). *Rhythmic priming across grammatical tasks in children with developmental language disorder and with typical language development* [Poster session]. AMLaP 2022, York, UK.

Ladányi, E., Bush, C., Wang, Y., Woynaroski, T. G, Lense, M. D. & Gordon, R. L. (2021, June 22-25). *Relationships of infant vocabulary development with parent musicality, rhythm skills and home music environment.* [Poster session]. 18th Rhythm Production and Perception Workshop (online participation).

Ladányi, E., Bush, C., Wang, Y., Woynaroski, T., Lense, M., & Gordon R.L. (2021, June 18-21). *Family GAMES: a longitudinal study exploring the effect of infants' and their parents' rhythm skills on childhood speech/language development.* [Poster session]. The Neurosciences and Music – VII (online participation).

Ladányi, E., Novakovic, M., Scartozzi, A., Boorom, O., Gustavson, D., Nitin, R., Fromboluti, E.K., Bamikole, P., Vaughan, C., McAuley, J. D., Gordon, R. L. (2021, June 18-21). *Are poor language skills associated with narrow entrainment region?* [Poster session and short talk in Best Poster Award session]. The Neurosciences and Music – VII (online participation). Best Poster Award recipient.

Scartozzi, A., Wang, W., **Ladányi, E.**, Bush, C., Woynaroski, T., Lense, M., Gordon, R.L. (2021, June 18-21). Associations between neural and behavioral measures of rhythm processing and self-reported musicality in adults [Poster session]. The Neurosciences and Music – VII (online participation).

Wang, Y., Scartozzi, A., **Ladányi, E.**, Boorom, O., Persici, V., Gordon, R.L. (2021, June 18-21). Meter processing and grammatical skills in school-aged children: an EEG study [Poster session]. The Neurosciences and Music – VII (online participation).

Ladányi, E., Bush, C., Wang, Y., Woynaroski, T. G, Lense, M. D. & Gordon, R. L. (2021, June 3-4). *Do parent musicality and rhythm skills and home music environment predict infant vocabulary development?* [Poster session]. 41st annual, virtual Symposium on Research in Child Language Disorders (online participation).

Nallet, C., **Ladányi, E.**, & Gervain, J. The effect of exposure to a regular rhythmic sequence on language processing in 4- to 6- year-old French children. Poster presented at the Rate and Rhythm in speech Recognition (R3) workshop (December 13, 2019, Nijmegen, Netherlands).

Ladányi, E., Lukács, Á., & Gervain, J. Rhythmic Priming in Children With Developmental Language Disorder. American Speech-Language-Hearing Association Convention (November 21-23, 2019, Orlando, FL, U.S.).

Martin-Gonzalez, M., **Ladányi, E.**, Westphal-Fitch, G., Fitch, T., Gordon, R.L. Hierarchical processing as the Tie between Musical Rhythm and Grammar. Poster presented at the Vanderbilt Undergraduate Research Fair (September 19, 2019, Nashville, TN, U.S.).

Ladányi, E., Lukács, Á., & Gervain, J. Rhythmic priming improves grammar processing in children with and without Specific Language Impairment. Meeting of the Society for Music Perception and Cognition (August 5-7, 2019, New York City, NY, U.S.).

Ladányi, E., Kovács, Á. M., & Gervain, J.: The acquisition of agglutinating morphology in French and Hungarian infants. ICIS (June 30-July 3, 2018, Philadelphia, PA, U.S.).

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