

CV – Limor Raviv

Website: <https://www.limorravivevolang.com>

Email: limor.raviv@mail.huji.ac.il

Academic Positions

- 2025 – Now **Research Group Leader**, Max Planck Institute for Psycholinguistics, NL
[The Language Evolution and Adaptation in Diverse Situations \(LEADS\) group](#)
- 2025 – Now **Assistant Professor**, Donders Centre for Cognition (DCC)
Faculty of Social Sciences, Radboud University Nijmegen
- 2022 - 2024 **Minerva Fast-Track Fellow (Minerva Group Leader)**
Max Planck Institute for Psycholinguistics, NL
- 2021 - 2024 **Lecturer in Social Interaction**, University of Glasgow, UK
Centre for Social, Cognitive and Affective Neuroscience (cSCAN)
- 2023 **Visiting Research Fellow**, Israel Institute for Advanced Studies (IIAS)
[What Allows Human Language? Seeking the Genetic, Anatomical, Cognitive, and Cultural Factors Underlying Language Emergence](#)
- 2021 **Research Associate at the Artificial Intelligence Lab**
Department of Computer Science, Vrije Universiteit Brussels, BE
- 2020 **Research Associate in Cognition and Cognitive Neuroscience Perception**
Department of Psychology, University of Wisconsin-Madison, USA

Academic Education

- 2016 - 2020 **Ph.D.** in Psychology of Language, Max Planck Institute for Psycholinguistics
(*Cum Laude* – the highest distinction in the Netherlands)
- 2013-2015 **M.A.** in Cognitive Science and Linguistics, Hebrew University of Jerusalem
(*Summa Cum Laude* - the highest distinction in Israel)

Grants and Awards

- Oct 2024 **NWO Vidi**, Netherlands Organization for Scientific Research (NWO) (**850k euros**)
- Jan 2024 **Max Planck Research Group**, Max-Planck-Gesellschaft (~**7 million euros**)
- Dec 2023 **Reward for personal contribution**, University of Glasgow
- Nov 2022 **Van Gogh Program**, Nuffic (Dutch organization for education internationalization)
- Dec 2021 **Minerva Fast-Track Fellowship**, Max-Planck-Gesellschaft (~**1 million euros**)
- Dec 2021 **PhD Thesis Award for outstanding contribution to scientific knowledge**, the Dutch Society for Brain and Cognition (NVP)
- Jan 2021 **Otto Hahn Medal for outstanding scientific achievements by young scientists**, Max-Planck-Gesellschaft (**7,000 euros**)
- Apr 2018 **Hurford Prize for Best Student Talk**, EvoLang XII conference, Poland
- Jan 2016 **Best Master Thesis Award**, Department of Cognitive Science, Hebrew University
- 2010-2012 **Full Excellence Scholarship**, Department of Mathematics, Hebrew University

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Journal Publications

(24 papers, with a total of 801 recorded citations by 01/04/2025 according to Google Scholar)

Pleyer, M., & **Raviv, L.** (2026). [Language evolution and social networks](#). Reference Module in Social Sciences: International Encyclopedia of Language and Linguistics (3rd ed.). doi:10.1016/B978-0-323-95504-1.01001-2

Arnon, I., Carmel, L., Claidière, N., Fitch, W.T., Goldin-Meadow, S., Kirby, S., Okanoya, K., **Raviv, L.**, Wolters, L., & Fisher, S.E. (2025). [What enables human language? A biocultural framework](#). *Science*, 390(6775), eadq8303. doi:10.1126/science.adq8303

Pleyer, M., Perlman, M., Lupyan, G., de Reus, K., & **Raviv, L.** (2025). [The ‘design features’ of language revisited](#). *Trends in Cognitive Sciences*. Advance online publication. doi:10.1016/j.tics.2025.10.004

Raviv, L., Blasi, D., & Kempe, V. (2025). [Children are not the main agents of language change](#). *Psychological Review*. Advance online publication. doi:10.1037/rev0000580

Kempe, V. & **Raviv, L.** (2025). [No Evidence for Generational Differences in the Conventionalization of Face Emojis](#). *Computers in Human Behavior Reports*, 9(100750). doi:10.1016/j.chbr.2025.100750

Feketova, L., & **Raviv, L.** (2025). [The inescapable cage of a man and a woman: Experiences of non-binary people with gender identity \(non-\)affirmation in the context of a gendered language](#). *International Journal of Transgender Health*. Advance online publication. doi:10.1080/26895269.2025.2544022.

Savage, P. E., Ampiah-Bonney, A., Arabadjiev, A., Arhine, A., Ariza, J. F., ... **Raviv, L.**, ... & M., Zariquiey, R. (In Principle Accepted). [Does synchronised singing enhance social bonding more than speaking does? A global experimental Stage 1 Registered Report](#). *Peer Community In Registered Reports*: <https://rr.peercommunityin.org/articles/rec?id=890>

Galke, L. P. A., Ram, Y., & **Raviv, L.** (2024). [Deep neural networks and humans both benefit from compositional language structure](#). *Nature Communications*, 15: 10816. doi:10.1038/s41467-024-55158-1

Josserand, M., Pellegrino, F., Grosseck, O., Dediu, D., & **Raviv, L.** (2024). [Adapting to individual differences: An experimental study of language evolution in heterogeneous populations](#). *Cognitive Science*, 48(11), e70011. doi:10.1111/cogs.70011

Tsomokos, D. I., & **Raviv, L.** (2024). [A bidirectional association between language development and prosocial behavior in childhood: Evidence from a longitudinal birth cohort in the United Kingdom](#). *Developmental Psychology*, 61(2), 336-350. doi:10.1037/dev0001875

Galke, L. P. A., & **Raviv, L.** (2024). [Learning and communication pressures in neural networks: Lessons from emergent communication](#). *Language Development Research*, 5(1), 116-143. doi:10.34842/3vr5-5r49

Zhou, H., van der Ham, S., de Boer, B., Bogaerts, L., & **Raviv, L.** (2024). [Modality and Stimulus Effects on Distributional Statistical Learning: Sound vs. Sight, Time vs. Space](#). *Journal of Memory and Language*, 138, 104531. doi:10.1016/j.jml.2024.104531

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Ozaki, Y., Tierney, A., Pfordresher, P. Q., McBride, J. M., Benetos, E., ... **Raviv, L.**, ... Savage, P. E. (2024). [Globally, songs and instrumental melodies are slower, higher, and use more stable pitches than speech: A Registered Report](#). *Science Advances*, 10(20), eadm9797. doi:10.1126/sciadv.adm9797

Raghavan, R., **Raviv, L.**, & Peeters, D. (2023). [What's your point? Insights from virtual reality on the relation between intention and action in the production of pointing gestures](#). *Cognition*, 240, 105581. doi:10.1016/j.cognition.2023.105581

Raviv, L., Jacobson, S. L., Plotnik, J. M., Bowman, J., Lynch, V., & Benítez-Burraco, A. (2023). [Elephants as a new animal model for self-domestication](#). *Proceedings of the National Academy of Sciences*, 120(15), e2208607120. doi:10.1073/pnas.2208607120

Raviv, L., Lupyan, G., Green, S. C. (2022). [How variability shapes learning and generalization](#). *Trends in Cognitive Science*, 26(6), 462-483. doi:10.1016/j.tics.2022.03.007

Raviv, L., Peckre, L., & Boeckx, C (2022). [What is simple is actually quite complex: a critical note on terminology in the domain of language and animal communication](#). *Journal of Comparative Psychology*, 136(4), 215-220. doi:10.1037/com0000328.

Raviv, L., de Heer Kloots, M., & Meyer, A. (2021). [What makes a language easy to learn? A preregistered study on how systematic structure and community size affect language learnability](#). *Cognition*, 210, 104620. doi:10.1016/j.cognition.2021.104620

Raviv, L., Meyer, A., & Lev-Ari, S. (2020). [The role of social network structure in the emergence of linguistic structure](#). *Cognitive Science*, 44(8), e12876. doi:10.1111/cogs.12876

Raviv, L., Meyer, A., Lev-Ari, S. (2019b). [Larger communities create more systematic languages](#). *Proceedings of the Royal Society B: Biological Science*, 286(1907). doi:10.1098/rspb.2019.1262

Raviv, L., Meyer, A., Lev-Ari, S. (2019a). [Compositional structure can emerge without generational transmission](#). *Cognition*, 182, 151-164. doi:10.1016/j.cognition.2018.09.010

Raviv, L., & Arnon, I. (2018a). [Systematicity, but not compositionality: Examining the emergence of linguistic structure in children and adults using iterated learning](#). *Cognition*, 181, 160-173. doi:10.1016/j.cognition.2018.08.011

Raviv, L., & Arnon, I. (2018b). [The developmental trajectory of children's auditory and visual statistical learning abilities: Modality-based differences in the effect of age](#). *Developmental Science*, 21(4): e12593. doi:10.1111/desc.12593

Havron, N., **Raviv, L.**, & Arnon, I. (2018). [Literate and preliterate children show different learning patterns in an artificial language learning task](#). *Journal of Cultural Cognitive Science*, 2, 21-33. doi:10.1007/s41809-018-0015-9

Books and book chapters

Raviv, L., & Boeckx, C. (Eds.). (2025). [The Oxford handbook of approaches to language evolution](#). Oxford: Oxford University Press. ISBN: 9780192886491.

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Müller, T. F. & **Raviv, L.** (2025). [Communication Experiments: Social Interaction in the Formation of Novel Communication Systems](#). *Oxford Handbook of Approaches to Language Evolution* (pp. 41-62). Oxford University Press. doi:10.1093/oxfordhb/9780192886491.013.4

Raviv, L., & Kirby, S. (2023). [Self-Domestication and the cultural evolution of language](#). *Oxford Handbook of Cultural Evolution* (pp. C60S1–C60S8). Oxford University Press. doi:10.1093/oxfordhb/9780198869252.013.60

Raviv, L., (2020). [Language and society: how social pressures shape grammatical structure](#). Max Planck Institute for Psycholinguistics. ISBN: 789492910127.

Manuscripts under review

Cambier, N., Miletitch, R., Benítez-Burraco, A., & **Raviv, L.** *The Impact of Ecological Niche on Prosociality Fitness in Social Agents: A Swarm Robotics Approach*. [under review in **Science Advances**]

de Reus, K., Benítez-Burraco, A., Hersh, T.A., Groot, N., Lambert, M.L., Slocombe, K.E., Vernes, S., & **Raviv, L.** *Behavioral markers of domestication in vocal learning mammals*. [under review in **PLOS Biology**]

Manuscripts in preparation

Naegeli, D., Grosseck, O., van Casteren, R., Motiekaityte, K., Wolf, L., Peeters, D., Bosker, H. R., Perlman, M., Ortega, G., & **Raviv, L.** *The evolution of gestural and vocal languages in VR*.

Dang, T. A., **Raviv, L.**, & Galke, L. *Tokenization and Morphology in Multilingual Language Models: A Comparative Analysis of mT5 and ByT5*. **Preprint:** <https://arxiv.org/abs/2410.11627>

Lammertink, I., Bazioni, M., de Heer Kloots, M., & **Raviv, L.** *Learnability Effects in Children: Are More Structured Languages Easier to Learn?* **Preregistration:** <https://osf.io/w89ju>

Cheung, L., Kirby, S., & **Raviv, L.** *The role of gender, personality traits, and social biases in shaping linguistic accommodation: An experimental approach*. **Preregistration:** <https://osf.io/uxqgt>

Grosseck, O., Perlman, M., Ortega, G., & **Raviv, L.** *Emerging languages in the lab: affordances and evolutionary trajectories of iconicity in gestures and vocalizations*. **Preregistration:** <https://osf.io/gh6xp>

Thompson, B., **Raviv, L.**, Hawkins, R., & Kirby, S. *Remembering who said what: Introducing partner-specific memory to models with hierarchical Bayesian agents explains group size differences in emerging sign languages*.

Ergin, R., Hall, M., Kirby, S., & **Raviv, L.** *The Emergence and Evolution of Word Order Patterns in the Manual Modality*. **Preregistration:** <https://osf.io/n6ytp>

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Selected Media Coverage

New York Times	Forbes	The Economist	Popular Science
New Scientist	Science Magazine	Smithsonian Magazine	Nu.nl
The Times	Arte.TV	Scientific American	Bionieuws
Die Welt	Science X	Phys.org	Earth.com
National Geographic	Talk the Talk Podcast	Live Science	GMX News
NOS	Cosmos Magazine	The Medical News	VRT.be
N-TV	WEB.de	La Nación	Verve times
NPO Radio 1	Yahoo! Lifestyle	ScienceDaily	Popular
Zurichsee Zeitung	Mechanics	Newswise	TechAI
OverSixty	Mirage News	The Dissenter Show	Science Daily
News Azi	Scienmag Science Magazine	Archaeology News Network	Geographical

Teaching

2023-2026	Intro to Preregistration and Open Science Practices , Max Planck Research School for Language Sciences
2022-2024	Introduction to Psycholinguistics , Ghent University, Belgium
2022-2024	Current Issues in Psychology , University of Glasgow
2021-2024	Statistical & Scientific Models , University of Glasgow
2019-2024	Data Analysis and Visualization in R , Max Planck Research School for Language Sciences
2021-2022	Language Emergence and Evolution , Boğaziçi University
2018-2022	Mixed Effects Models in R , Max Planck Research School for Language Sciences
2021-2022	Intro to Data Analysis and Visualization , Hebrew University of Jerusalem
2019-2021	Psychology of Language and Cultural Cognition , Radboud University
2017	A Short Tutorial on Agent Based Modeling in Python , online tutorial on GitHub
2013-2015	Introduction to Linguistics , The Hebrew University of Jerusalem

Supervision

Postdocs

2026 – Now	Agni Paul, Radboud University (VIDI) From Grunts to Grammars: Unpacking language evolution using Virtual Reality and Swarm Robotics
2025 – Now	Roman Miletitch, Max Planck Institute for Psycholinguistics Swarm Robotics as a testbed for studying language evolution
2025 – Now	Danielle Naegeli, Max Planck Institute for Psycholinguistics The evolution of vocal and gestural languages in Virtual Reality

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2022 - 2024 Lukas Galke, Max Planck Institute for Psycholinguistics
Language emergence with deep learning neural networks

PhD students

2026 – Now Xiao Li, Radboud University
(VIDI) From Grunts to Grammars: Unpacking language evolution using Virtual Reality and Swarm Robotics

2025 – Now Ruizhe Zhou, Max Planck Institute for Psycholinguistics
The evolution of rare linguistic variants in social groups

2023 - Now Lois Dona, Max Planck Institute for Psycholinguistics
Modeling language evolution from a multimodal perspective

2022 - 2025 Lewis (Ching Yat) Cheung, Max Planck Institute for Psycholinguistics
How age and gender diversity shape language innovation and change

Graduated Mathilde Josserand, Université Lyon
Inter-individual variability and language evolution: experimental simulation of small micro-societies

Graduated Danielle Naegeli, Tilburg University
Languages adapts to fit their environment: how noise and darkness shape languages in virtual reality

Student Assistants (paid)

2023 – 2026 Remi van Casteren

MA Research Students

2025 Tamar Matas, Hebrew University of Jerusalem
Testing the impact of contextual diversity on auditory word learning

2025 Divyanshu Pathak, University of Allahabad, Talent+ Program
Variability effects in novel word learning

2023 – 2024 Oxana Grosseck, Radboud University
Iconicity in newly emerging vocal and gestural languages

2023 - 2024 Anh Dang Thi Thao, Radboud University
Psycholinguistic Analyses of Large Language Models

2022 - 2024 Dimitrios Tsomokos, University of Glasgow
Bidirectional relationship between language development and prosocial behaviour in childhood: Evidence from a UK longitudinal birth cohort

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- 2023 Dalmo Buzato, Federal University of Minas Gerais
Tracing the emergence of grammar in communication games
- 2022 – 2023 Kotryna Motiekaityte, Tilburg University and Radboud University
The emergence of vocal languages in Virtual Reality
- 2022 - 2023 Loisa Wolf, Tilburg University and Radboud University
The emergence of gestural languages in Virtual Reality
- 2022 Sam Woodward, University of Glasgow
Do Crovids adapt their vocalizations to different social contexts?
- 2022 Lucia Feketova, University of Glasgow
How gendered languages shape gender identity and attitudes towards the LGBTQ+ community
- 2022 Lingyo Du & Wanrui Xue, University of Glasgow
Gender effects in syntactic priming
- 2022 Deborah Saini, University of Glasgow
Social network effects on second language learning
- 2022 Mary Bazioni, Radboud University
Learning biases in children and adults
- 2019-2020 Marianne de Heer Kloots, University of Amsterdam
How linguistic structure and group size affect language learnability
- 2019-2020 Li Lei, Radboud University
Computational simulation of language change in online social networks

Peer-Reviewed Conference Proceedings Papers

Dang, A., Raviv, L., & Galke, L. (2024). [Morphology Matters: Probing the Cross-linguistic Morphological Generalization Abilities of Large Language Models through a Wug Test](#). In *Proceedings of the Workshop on Cognitive Modeling and Computational Linguistics (CMCL)* (pp. 177–188). Bangkok, Thailand: Association for Computational Linguistics.

de Reus, K., Benítez-Burraco, A., Hersh, T., Groot, N. E., Slocombe, K., Lambert, M., Vernes, S. & Raviv, L. (2024). [Self-domestication traits in vocal learning mammals](#). In J. Nölle, L. Raviv, K. E. Graham, S. Hartmann, Y. Jadoul, M. Josserand, et al. (Eds.), *The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV)* (pp. 80-82). Nijmegen: The Evolution of Language Conferences.

Cheung, C.Y., Kirby, S., & Raviv, L. (2024). [The role of gender, social bias and personality traits in shaping linguistic accommodation: An experimental approach](#). In J. Nölle, L. Raviv, K. E. Graham, S. Hartmann, Y. Jadoul, M. Josserand, et al. (Eds.), *The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV)* (pp. 80-82). Nijmegen: The Evolution of Language Conferences.

Galke, L., Ram, Y., & Raviv, L. (2024). [Learning pressures and inductive biases in emergent communication: Parallels between humans and deep neural networks](#). In J. Nölle, L. Raviv, K. E.

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Graham, S. Hartmann, Y. Jadoul, M. Josserand, et al. (Eds.), *The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV)* (pp. 197-201). Nijmegen: The Evolution of Language Conferences.

Grosseck, O., Perlman, M., Ortega, G., & **Raviv, L.** (2024). [The iconic affordances of gesture and vocalization in emerging languages in the lab](#). In J. Nölle, L. Raviv, K. E. Graham, S. Hartmann, Y. Jadoul, M. Josserand, et al. (Eds.), *The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV)* (pp. 223-225). Nijmegen: The Evolution of Language Conferences.

Josserand, M., Pellegrino, F., Grosseck, O., Dediu, D., & **Raviv, L.** (2024). [Adapting to individual differences: An experimental study of variation in language evolution](#). In J. Nölle, L. Raviv, K. E. Graham, S. Hartmann, Y. Jadoul, M. Josserand, et al. (Eds.), *The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV)* (pp. 286-289). Nijmegen: The Evolution of Language Conferences.

Lammertink, I., De Heer Kloots, M., Bazioni, M., & **Raviv, L.** (2024). [Learnability effects in children: Are more structured languages easier to learn?](#) In J. Nölle, L. Raviv, K. E. Graham, S. Hartmann, Y. Jadoul, M. Josserand, et al. (Eds.), *The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV)* (pp. 320-323). Nijmegen: The Evolution of Language Conferences.

Lupyan, G., & **Raviv, L.** (2024). [A cautionary note on sociodemographic predictors of linguistic complexity: Different measures and different analyses lead to different conclusions](#). In J. Nölle, L. Raviv, K. E. Graham, S. Hartmann, Y. Jadoul, M. Josserand, et al. (Eds.), *The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV)* (pp. 345-348). Nijmegen: The Evolution of Language Conferences.

Motiekaitytė, K., Grosseck, O., Wolf, L., Bosker, H. R., Peeters, D., Perlman, M., Ortega, G., & **Raviv, L.** (2024). [Iconicity and compositionality in emerging vocal communication systems: A Virtual Reality approach](#). In J. Nölle, L. Raviv, K. E. Graham, S. Hartmann, Y. Jadoul, M. Josserand, T. Matzinger, K. Mudd, M. Pleyer, A. Slonimska, & S. Waciewicz (Eds.), *The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV)* (pp. 387-389). Nijmegen: The Evolution of Language Conferences.

Dang, A., **Raviv, L.**, & Galke, L. (2024). [Testing the linguistic niche hypothesis in large with a multilingual Wug test](#). In J. Nölle, L. Raviv, K. E. Graham, S. Hartmann, Y. Jadoul, M. Josserand, et al. (Eds.), *The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV)* (pp. 91-93). Nijmegen: The Evolution of Language Conferences.

Galke, L., Ram, Y., & **Raviv, L.** (2022). [Emergent Communication for Understanding Human Language Evolution: What's Missing?](#) Emergent Communication Workshop, Tenth International Conference on Learning Representations (ICLR 2022).

Cambier, N., Miletitch, R., Benítez-Burraco, A. & **Raviv, L.** (2022). [Prosociality in swarm robotics: A model to study self-domestication and language evolution](#). In A. Ravignani, R. Asano, D. Valente, F. Ferretti, S. Hartmann, M. Hayashi, et al. (Eds.), *The evolution of language: Proceedings of the Joint Conference on Language Evolution (JCoLE)* (pp. 98-100). Nijmegen: Joint Conference on Language Evolution (JCoLE).

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Raviv, L., Jacobson, S. L., Plotnik, J. M., Bowman, J., Lynch, V., & Benítez-Burraco, A. (2022). [Elephants as a new animal model for studying the evolution of language as a result of self-domestication](#). In A. Ravignani, R. Asano, D. Valente, F. Ferretti, S. Hartmann, M. Hayashi, et al. (Eds.), *The evolution of language: Proceedings of the Joint Conference on Language Evolution (JCoLE)* (pp. 606-608). Nijmegen: Joint Conference on Language Evolution (JCoLE).

Cambier N., Miletitch, R., Benítez-Burraco, A. & **Raviv, L.** (2021). [First Steps Toward a Swarm Robotics Model of Self-Domestication and Language Evolution](#). In *The 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP 2021)*. doi:10.48448/30dy-ez50.

Raviv, L., Meyer, A. & Lev-Ari, S. (2020). [Network Structure and the Cultural Evolution of Linguistic Structure: A Group Communication Experiment](#). In Ravignani, A., Barbieri, C., Martins, M., Flaherty, M., Jadoul, Y., Lattenkamp, E., Little, H., Mudd, K. & Verhoef, T. (Eds.): *The Evolution of Language: Proceedings of the 13th International Conference (EvoLang13)*.

Thompson, B., **Raviv, L.** & Kirby, S. (2020). [Complexity Can Be Maintained in Small Populations: A Model of Lexical Variability in Emerging Sign Languages](#). In Ravignani, A., Barbieri, C., Martins, M., Flaherty, M., Jadoul, Y., Lattenkamp, E., Little, H., Mudd, K. & Verhoef, T. (Eds.): *The Evolution of Language: Proceedings of the 13th International Conference (EvoLang13)*.

Lei, L., **Raviv, L.** & Alday, P. (2020). [Using Spatial Visualizations and Real-World Social Networks to Understand Language Evolution and Change](#). In Ravignani, A., Barbieri, C., Martins, M., Flaherty, M., Jadoul, Y., Lattenkamp, E., Little, H., Mudd, K. & Verhoef, T. (Eds.): *The Evolution of Language: Proceedings of the 13th International Conference (EvoLang13)*.

Ergin, R., **Raviv, L.**, Senghas, A., Padden, C. & Sandler, W. (2020). [Community Structure Affects Convergence on Uniform Word Orders: Evidence From Emerging Sign Languages](#). In Ravignani, A., Barbieri, C., Martins, M., Flaherty, M., Jadoul, Y., Lattenkamp, E., Little, H., Mudd, K. & Verhoef, T. (Eds.): *The Evolution of Language: Proceedings of the 13th International Conference (EvoLang13)*.

Raviv, L., Meyer, A., & Lev-Ari, S. (2018). [The role of community size in the emergence of linguistic structure](#). In Cuskley, C., Flaherty, M., Little, H., McCrohon, L., Ravignani, A. & Verhoef, T. (Eds.): *The Evolution of Language: Proceedings of the 12th International Conference (EvoLangXII)*.

Raviv, L., & Arnon, I. (2016). [Language evolution in the lab: The case of child learners](#). In *Proceedings of the 38th Annual Meeting of the Cognitive Science Society (CogSci 2016)*. Austin, TX: Cognitive Science Society.

Raviv, L., & Arnon, I. (2016). [The developmental trajectory of children's statistical learning abilities](#). In *Proceedings of the 38th Annual Meeting of the Cognitive Science Society (CogSci 2016)*. Austin, TX: Cognitive Science Society.

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Organized Workshops and Symposia

- May 2026 Hands-on Workshop: [Swarm Robotics as a test bed for the study of language emergence](#). The Evolution of Language: Proceedings of the 16th International Conference (EVOLANG XV), Plovdiv, Bulgaria.
- May 2024 Special Workshop: [What allows human language? a multidisciplinary perspective](#). The Evolution of Language: Proceedings of the 15th International Conference (EVOLANG XV), Madison, USA.
- Sept 2022 Themed Session: **Self-domestication and prosociality in the service of cultural evolution**. The Cultural Evolution Society Meeting (CES), Aarhus, Denmark.
- Aug 2022 Special Workshop: **Machine Learning and the Evolution of Language** ([ml4evolang](#)). Joint Conference on Language Evolution (JCoLE), Kanazawa, Japan.

Editorial Services

- 2023 – 2025 [Oxford Handbook of Approaches to Language Evolution](#) (2025). Raviv, L. & Boeckx, C. (Eds). Oxford University Press. ISBN: 9780192886491
- 2024 [The Evolution of Language: Proceedings of the 15th International Conference \(EVOLANG XV\)](#). Nölle, J., Raviv, L., Graham, K. E., Hartmann, S., Jadoul, Y., Josserand, M., et al. (Eds.). Nijmegen: The Evolution of Language Conferences. doi:10.17617/2.3587960.

Professional Services

I am actively engaged in societal impact initiatives aimed at increasing inclusivity, gender equality, and LGBTQ+ visibility in the digital programming community and in academia in general. I promote and use open-science practices (e.g., open data, preregistrations) and science communication practices in order to ensure a responsible and transparent scientific process.

- 2018-2020 [R-Ladies Nijmegen](#) (Co-Founder, Organizer, and Public Relations Officer)
R-Ladies is a local group for promoting gender diversity and equality in the programming community by conducting women-oriented events, tutorials, and hands-on workshops on programming in R.
- 2016-2019 **PhD Representative, Max Planck Institute for Psycholinguistics**
Representing 100+ MPI PhDs on internal matters (e.g., working conditions, issues with supervision, mental health problems, PhD life, etc.) and at the international Max Planck Society meetings, organizing social events.
- 2017 [Kletskoppen Child Language Festival](#) (Activity Coordinator and Developer)
A science festival for children and families organized by language researchers from Nijmegen, featuring interactive demos, live experiments, and informative lectures for parents.
- 2013-2015 [The Living Lab for Language Learning and Processing](#) (Co-Founder & Manager)
A public-oriented research laboratory for families inside in the Bloomfield Science Museum, sponsored by the Global Living Lab organization and Hebrew university of Jerusalem, Israel.

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Funding Agencies Reviewer

- Japan Society for the Promotion of Science (JSPS)
- National Science Centre of Poland
- Fonds Wetenschappelijk Onderzoek (FWO)
- Hungary's National Research Development and Innovation (NRDI)
- Israel Science Foundation (ISF)
- Leverhulme Trust
-

Journal Reviewer

- Science Advances
- Nature Human Behavior
- Nature Communications
- Proceedings of the National Academy of Sciences of the United States of America (PNAS)
- Philosophical Transactions B
- Cognitive Science
- Cognition
- Journal of Memory and Language (JML)
- Frontiers in Artificial Intelligence
- Language Development Research
- Journal of Language Evolution
- Journal of Child Language
- Journal of Visualized Experiments (JoVe)
- Psychonomic Bulletin & Review
- Quarterly Journal of Experimental Psychology (QJEP)
- Open Mind
- Scientific Reports

Conference Reviewer

Annual Meetings of the Cognitive Science Society (CogSci); Joint Conference on Language Evolution (JCoLE); International Conferences on the Evolution of Language (EVOLANG); Annual Conference on Human Sentence Processing (CUNY); Protolang Conference Series; Architectures and Mechanisms for Language Processing (AMLaP); Interdisciplinary Advances in Statistical Learning Conference; Cognitive and Cultural Influences on Language Emergence Workshop; Learning in Humans and Machines (L2HM);

Keynote Talks

- Feb 2024 **Keynote.** Culture Conference, University of Zurich, Switzerland
- Sept 2023 **Keynote.** The Effects of Contextual Diversity on Word Learning and Processing: A Collaborative Workshop funded by the Experimental Psychology Society (EPS), University College London (UCL), UK
- Mar 2023 **Keynote.** The Evolutionary Lens: Addressing Big Questions by (Re)thinking Evolution, The 34th Annual International Workshop on the History and Philosophy of Science, Tel Aviv, Israel

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- Sep 2022 **Keynote.** Joint Conference on Language Evolution (JCoLE), Kanazawa, Japan
- Aug 2021 **Keynote.** The Reconstruction of Human History through an Interdisciplinary Approach Workshop, University of Zurich, Switzerland

Invited Talks

- May 2026 Language, Communication and Interaction seminar (LCI), Osnabrück University, Germany
- Feb 2026 LinG/RTG Colloquium, University of Göttingen, Germany
- Nov 2025 Perception, Cognition, and Cognitive Neuroscience (PCCN) talk series, University of Madison-Wisconsin, USA
- Nov 2024 Bio-cultural evolution of language workshop, Centre for Language Evolution (CLE), University of Edinburgh, UK
- May 2024 Creative Intelligence Lab (CIL), Leiden University, the Netherlands
- Feb 2024 Evolutionary Pragmatics (EvoPrag) Forum, Warwick Mind and Action Research Centre (WMA), University of Warwick, UK
- Jan 2024 Discourse in Philosophy (DIP) Colloquium, Institute for Logic, Language and Computation (ILLC), University of Amsterdam, the Netherlands
- Dec 2023 Laboratoire Dynamique Du Langage (DDL) Seminar, Lyon University, France
- Nov 2023 Evolution seminar, University of Bielefeld, Germany
- June 2023 Interdisciplinary Fellows Forum, Israel Institute of Advanced Studies (IIAS), Jerusalem, Israel
- Mar 2023 NLP talks series, IBM research center, Tel Aviv, Israel
- Nov 2022 Cognitive Lexicon Laboratory & Language, Cognition, and Computation lab, Department of Computer Science & Department of Linguistics, University of Toronto, Canada
- Mar 2022 Cognitive Development Center (CDC) seminar series, the Department of Cognitive Science, Central European University (CEU)
- Mar 2022 Amsterdam Center for Language and Communication (ACLC) Seminar, University of Amsterdam, the Netherlands
- Mar 2022 Department of Linguistics Seminar, Hebrew University, Jerusalem, Israel
- Mar 2022 Cognitive Science seminar series, Yeditepe and Boğaziçi Universities, Turkey
- Mar 2022 Linguistics Colloquium, Department of English Literature and Linguistics, Bar Ilan University, Israel

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Dec 2021	Language as an Interactive Game group, Google DeepMind
Nov 2021	ESLR Seminar Series, The Association of Early-career Social Learning Researchers
Nov 2021	The Cultural Evolution of Communication Workshop, Centre for Research in Brain, Language and Music (CRBLM), Department of Biology, McGill University, Canada
July 2021	Abralin ao Vivo Linguistics Online Series , Brazilian Linguistics Association, Abralin, Brazil
June 2021	SOAS Linguistics Seminar, School of Languages, Cultures and Linguistics, SOAS University of London, UK
June 2021	Computational Communication & Development (CoCoDev) Seminar, Institute of Language, Communication, and the Brain, Department of Computer Science, Aix-Marseille University, France
Apr 2021	The Language and Brain Plasticity Lab, Department of Psychology, University of Haifa, Israel
Jan 2021	Ram Lab for Mathematical Ecology & Evolution, School of Zoology, Safra Center for Bioinformatics, Tel Aviv University, Israel
Jan 2021	Language Complexity Seminar, Department of Linguistics, Hebrew University, Jerusalem, Israel
Nov 2020	Social and Cultural Evolution Workshop Group (SCEW), Penn University of Pennsylvania, USA
Oct 2020	Computation and Language Lab, University of California, Berkeley, USA
Oct 2020	Complexity Science Hub, Vienna, Austria
Aug 2020	Centre for Social, Cognitive and Affective Neuroscience (cSCAN), Institute of Neuroscience & Psychology, University of Glasgow, UK
July 2020	Department of Communication and Cognition, Tilburg University, the Netherlands
June 2020	Language & Cognition Lab, Division of Psychology and Language Sciences, University College London (UCL), UK
June 2020	Cognitive Biology of Language Group, University of Barcelona, Spain
May 2020	LAL Seminar, School of Languages and Linguistics, University of Melbourne
Mar 2020	Computational Auditory Perception Group, Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany
Feb 2020	Data and Art series, California Institute of the Arts (CalArts), Los Angeles, USA
June 2019	Language, Memory, and Attention group, Cognitive Department Colloquium Series, Royal Holloway, University of London, UK
Apr 2019	Cognitive Science Department Colloquium Series, Haifa University, Israel

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Apr 2019	Psychology Department, Hebrew University, Jerusalem, Israel
Dec 2018	Cohn Institute for the History and Philosophy of Science, Tel Aviv University, Israel
Dec 2018	Department of Linguistics, Tel Aviv University, Israel
Oct 2018	Linguistics Department Colloquium Series. University of Arizona, Tucson, USA
Oct 2018	Donders Discussion Series, Donders Institute for Brain, Cognition and Behaviour, Nijmegen, the Netherlands
Aug 2018	Center for Language Evolution (CLE), the University of Edinburgh, UK
May 2018	Diversity in Language, Culture and Cognition Colloquium Series. Centre for Language Studies, Radboud University, Nijmegen, the Netherlands
Dec 2017	Multimodal Language and Cognition lab, Radboud University, Nijmegen, the Netherlands
Jan 2016	Linguistics Colloquia series, The Language, Logic and Cognition Center (LLCC), The Hebrew University, Jerusalem, Israel

Presentations at Professional Conferences

Oct 2025	The role of the face in language emergence. Talk presented at the MEDAL Conference: New Challenges, Novel Approaches, Tartu, Estonia.
Sept 2025	Behavioral markers of domestication in vocal learning mammals. Talk presented at Protolang 9. Vienna, Austria
Sept 2025	Iconicity and compositionality can co-develop in communication across modalities. Talk presented at Protolang 9. Vienna, Austria
Sept 2025	Revising Hockett's 'design features of language. Talk presented at Protolang 9. Vienna, Austria
Sept 2025	Children are not the main agents of language change. Talk presented at Protolang 9. Vienna, Austria
Sept 2025	Do facial signals support language emergence during communication? An experimental approach. Talk presented at Protolang 9. Vienna, Austria
Aug 2024	Communicating confidence and doubt through the face: Implications for language emergence. Poster presented at the Highlights in the Language Sciences Conference, Nijmegen, The Netherlands
Aug 2024	The role of facial expressions signaling confidence or doubt in language emergence. Poster presented at the IMPRS Conference 2024, Nijmegen, the Netherlands

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- May 2024 **A cautionary note on sociodemographic predictors of linguistic complexity: Different measures and different analyses lead to different conclusions.** Poster presented at the International Conference on the Evolution of Language (Evolang 2024), Madison, USA
- May 2024 **Self-domestication traits in vocal learning mammals.** Talk presented at the International Conference on the Evolution of Language (Evolang 2024), Madison, USA
- May 2024 **No convincing evidence that child language acquisition errors drive language change.** Talk presented at the International Conference on the Evolution of Language (Evolang 2024), Madison, USA
- May 2024 **The role of gender, personality traits, and social biases in shaping linguistic accommodation: An experimental approach.** Talk presented at the International Conference on the Evolution of Language (Evolang 2024), Madison, USA
- Sept 2023 **Age and gender differences in language change: An experimental study.** Talk presented at Protolang 8. Rome, Italy
- Sept 2023 **What makes a language easy to deep-learn?** Talk presented at Protolang 8. Rome, Italy
- Sept 2022 **Self-domestication in a non-human species: elephants as a case study.** Talk presented at the Cultural Evolution Society Meeting, Aarhus, Denmark (CES 2022)
- June 2022 **Learnability Effects in Children: Are Languages with more systematic structure Easier to Learn?** Poster presented at the International Conference on Interdisciplinary Advances in Statistical Learning, San Sebastian, Spain
- Apr 2022 **Emergent Communication for Understanding Human Language Evolution: What's Missing?** Talk presented online at the Emergent Communication Workshop, Tenth International Conference on Learning Representations (ICLR 2022)
- Nov 2021 **First Steps Toward a Swarm Robotics Model of Self-Domestication and Language Evolution.** Talk presented online at the Novel Ideas in Learning-to-Learn through Interaction Workshop, The Conference on Empirical Methods in Natural Language Processing (EMNLP 2021)
- Nov 2021 **Simulating the Evolution of Language in the Lab.** Talk presented at EvoKE Evolution Day, Barcelona
- Sept 2021 **Complexity and Simplicity in the evolution of languages across species.** Talk presented online at Protolang 7
- Sept 2021 **How word order conventions emerge in the manual modality.** Talk presented online at Protolang 7
- June 2021 **Elephants as a new animal model of cultural evolution resulting from self-domestication.** Talk presented online at the Cultural Evolution Society Conference (CES 2021)

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- June 2021 **A swarm robotics model of the cultural evolution of language.** Talk presented online at the Cultural Evolution Society Conference (CES 2021)
- Nov 2020 **The role of community size and network structure in shaping linguistic diversity: Experimental evidence.** Talk presented online at the Computational Research in Linguistic Typology Workshop, Conference on Empirical Methods in Natural Language Processing (EMNLP 2020)
- Nov 2019 **What makes a language easy to learn? How systematic grammar and community size affect language learnability.** Poster presented at the 17th winter conference on Brain & Cognition (NVP), the Netherlands
- Sept 2019 **Social structure affects the emergence of linguistic structure: experimental evidence.** Talk presented at Protolang 6, Lisbon, Portugal
- Aug 2019 **Language Change in Online Social Networks.** Talk presented at the Symposium on Representations, Usage and Social Embedding in Language Change (RUSE), The University of Manchester, UK
- July 2019 **Memory and generalization: How do group size, structure and learnability relate in lab-evolved artificial languages?** Talk presented at Culture Conference 2019: Communication in Culture, the University of Stirling, UK
- June 2019 **Complexity can be maintained in small populations: a model of lexical variability in emerging sign languages.** Talk presented at the Interaction and the Evolution of Linguistic Complexity Workshop, the University of Edinburgh, UK
- Mar 2019 **Input variability promotes the emergence of linguistic structure.** Poster presented at the center for the Interdisciplinary Study of Language Evolution (ISLE) Inaugural workshop, University of Zurich, Switzerland
- Oct 2018 **Network structure and the cultural evolution of linguistic structure: An artificial language study.** Talk presented at the Cultural Evolution Society Conference (CES 2018). Tempe, Arizona, USA
- Apr 2018 **The role of community size in the emergence of linguistic structure.** Talk presented at the 12th International Conference on the Evolution of Language (EVOLANG XII). Torun, Poland
- Oct 2017 **The role of community size in the emergence of linguistic structure.** Talk presented at XLanS: Triggers of language change in the Language Sciences. University of Lyon, France
- Sept 2017 **Compositional structure can emerge without generational transmission.** Talk presented at the Inaugural Cultural Evolution Society Conference (CESC 2017). Max Planck Institute for the Science of Human History, Jena, Germany
- Mar 2017 **Compositional structure can emerge without generational transmission.** Talk presented at the 30th Annual CUNY Conference on Human Sentence Processing. MIT, Boston

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- Aug 2016 **Language evolution in the lab: The case of child learners.** Talk presented at the 38th Annual Meeting of the Cognitive Science Society (CogSci 2016). Philadelphia, USA
- July 2016 **Language evolution in the lab: The case of child learners.** Talk presented at the 6th Cognitive Linguistics conference (UK-CLC). Bangor, UK
- June 2016 **Language evolution in the lab: The case of child learners.** Talk presented at the Fifth Implicit Learning Seminar. Lancaster, UK
- Sept 2015 **Developmental differences in children's statistical learning abilities.** Talk presented at the conference of Architectures and Mechanisms for Language Processing (AMLaP). Valletta, Malta
- June 2015 **Developmental differences in children's statistical learning abilities.** Talk presented at Interdisciplinary Advances in Statistical Learning. San Sebastian, Spain