

Šárka Kadavá

Doctoral researcher



Education

since 2023 **PhD candidate**

University of Göttingen &
Radboud University
(Cotutelle)

2018–2022 **M.A., Czech philology**

Faculty of Arts, Charles
University, Prague

2018–2021 **M.A., Electronic
culture and Semiotics**

Faculty of Social Studies,
Charles University, Prague

2021 **Erasmus Mobility Program**

Università di Bologna

2020 **Erasmus Mobility Program**

Lund University

2015–2018 **B.A., Czech philology**

Faculty of Arts, Charles
University, Prague

Interests

- Multimodal communication
- Social interaction
- Communicative effort

Skills

- Programming and data analysis
(Python, R)
- Computer vision motion tracking
- Data annotation (ELAN, Praat)

Current affiliations

since October 2022. **Doctoral researcher**

Leibniz Centre General Linguistics, Berlin (Laboratory Phonology)

Project: On the FLExibility and Stability of Gesture-speech
Coordination (FLESH)

PIs: Dr. Aleksandra Ćwiek, Dr. Susanne Fuchs, Dr. Wim Pouw

April 2023–April 2024. **Visiting researcher**

Donders Center for Cognition, Nijmegen

Academic experience

May–September 2022 **Research assistant**

Institute of Psychology, The Czech Academy of Science, Prague

Project: Czech adaptation of MB-CDI – parent report instrument
investigating early communication of children in age of 8–30
months (Dovyko)

PI: Dr. Nikola Paillereau

Publications (selected)

Faytak, M., Kadavá, Š., Xu, Ch., Özsoy, O., ..., Buchanan, E. M., Roettger, T. B. (2024) Big Team Science for language science: Opportunities and Challenges. *OSF Preprints* [Preprint](#)

Kadavá, Š., Ćwiek, A., Fuchs, S., & Pouw, W. (2024) What do we mean when we say gestures are more expressive than vocalizations? An experimental and simulation study. *Proceedings of the annual meeting of the Cognitive Science Society 2024*. [Full paper](#) | [Repository](#)

Fuchs, S., Kadavá, Š., Walker, B., Nicolas, F., Winter, B. & Ćwiek, A. (2024) Exploring the sound structure of novel vocalizations. *Proceedings of the 15th International Conference on the Evolution of Language (EvoLang XV)*. [Proceedings](#) | [Repository](#)

Kadavá, Š., Ćwiek, A., Stoltmann, K., Fuchs, S. & Pouw, W. (2023) Is gesture-speech physics at work in rhythmic pointing? Evidence from Polish counting-out rhymes. *Proceedings of the 20th International Congress of Phonetic Sciences (ICPhS), Prague, 7-8 August 2023*. [Full paper](#)

Responsibilities

since 4/2024 **PhD representative**
ZAS, Berlin

2023 **Committee Chair**
GESPIN 2023, Nijmegen

since 2022 **PhD representative**
ViCom (SPP 2329)

Review experience

Language, Psychological Review, Journal of Language Evolution, GESPIN 2023, Evolang 2024, MM-SYM 2024, ISGS 2025

Supervisions

Rosenberg, G. (2024–2025)
MA Thesis: Diversity- driven efficiency in novel communication through iterated learning. Princeton University

Lambers, J., Snelders, J. (2023–2025) Student assistants in project FLESH, Donders

Nalbantoğlu, H. (2024–2025)
Student assistant in project FLESH, ZAS

Grants

ViCom short-term collaboration
2024, lead by Šárka Kadavá and Door Spruijt (€1500).

ViCom short-term collaboration
2024, lead by Šárka Kadavá and Chiara Zulberti (€310).

Coding scripts

Nalbantoğlu, H. & Kadavá, Š. (2025). Multi-Scenario Video and Audio Synchronization and Segmentation. Script

Kadavá, Š., Snelder, J., Pouw, W. (2024). Recording from Multiple Webcams Synchronously while LSL Streaming. Script

Kadavá, Š., Pouw, W. (2024). 3D motion tracking using multiple cameras with OpenPose and Pose2Sim. Script

Scientific presentations (selected)

Kadavá, Š. To interact is to move: movement as a core constituent of social interaction (keynote). Workshop Multimodality in Social Interactions 2.0 (Marseille 2024).

Kadavá, Š., Ćwiek, A., Holler, J., Fuchs, S., Pouw, W. Regulating the body in communicative challenges. Experimental study under kinematicacoustic analysis An experimental and simulation study (oral presentation). IACS 2024.

Kadavá, Š., Ćwiek, A., Fuchs, S., Pouw, W. Repair kinematics of silent gestures (oral presentation at the symposium Towards a movement science of communication). CogSci 2024.

Kadavá, Š., Ćwiek, A., Fuchs, S., Pouw, W. What do we mean when we say gestures are more expressive than vocalizations? An experimental and simulation study (poster presentation). CogSci 2024.

Kadavá, Š., Ćwiek, A., Stoltmann, K., Fuchs, S., Pouw, W. Is gesture-speech physics at work in rhythmic pointing? (poster). 20th International Congress of Phonetic Sciences 2023.

Invited workshops

Multimodality: what is it and why does it matter. Course: Experimentelle Untersuchungen im L2-Lauterwerb (lecturer: Sarah Wesolek), November 2023. Humboldt University, Berlin.

Visualizing Multimodal Data. Course: Methods in Multimodal Communication (lecturer: James Trujillo), January 2024. LOT Winter School 2024, Tilburg University.