



## Information about the StarWords project

We invite parents of children aged 0 to 24 months to take part in a study conducted by the Faculty of Psychology at the University of Warsaw in cooperation with Oslo Metropolitan University (OsloMet), University of Oslo, Lancaster University and the University of Cambridge. The aim of the study is to analyze the characteristics of bilingual language environment that support language development in young children.

### What are we studying?

In our project, we investigate how Polish monolingual children and Polish bilingual children living in Norway and Great Britain learn their languages from the moment they say their first words and the first multiword utterances. In particular, we want to investigate to what extent the bilingual development differs from that of Polish monolingual children. With your help, we will follow the language development of children in their languages (Polish, Norwegian or English), starting from their first words. Therefore, we invite parents of children aged 0 to 24 months to join the study which continues until the children are three to four years old. Although the study lasts for a long time, parents may opt out at any time, without giving a reason.

### What does the study look like?

In our study, we use a professional smartphone application created by us, and standardized tools (so-called parental reports) made available to parents online. With the smartphone app, you will be able to write down the words spoken by your child(ren), as well as those that the children themselves invent (neologisms) and their first multiword phrases. The application will send you regular notifications to write in the new words, and answer short questions about your child's development and current language environment, i.e. the language(s) that the child is hearing on that day. You will have an ongoing access to the entered data and reports summarizing the data (e.g. the number of words the child uses, the evolution of the form or meaning of the word). In addition, a few times during the project (in the child's second year of life, in their third year of life and in their fourth year of life), you will be asked to fill in standard parental questionnaires online (MacArthur-Bates Communicative Development Inventories). In those questionnaires, you will be asked to select words (from a list) that your child understands and/or uses. Parents also have access to additional materials, such as podcasts with researchers and coloring pages created from their child's first words.

### Who can take part in the study?

We invite parents of Polish monolingual children and bilingual children living in Great Britain or Norway who are ready to devote their time to participate in the project. Though our project focuses on Polish-Norwegian and Polish-English bilingual children, we encourage families speaking other second languages and multilingual families to join the study as well. We have adapted the app to multiple languages!

### What will happen to the information obtained during the study?

The study is confidential and the collected data will only be used for scientific purposes. We maintain full confidentiality of the collected data, and the data are stored on servers located in the European Union. Results will always be presented collectively (e.g. in scientific articles or presentations) and summarized on the project's website: [www.multilada.pl/starwords](http://www.multilada.pl/starwords). We do not distribute the individual data to any third parties. Your contact details (e.g. email address) will allow us to communicate with you during the project, will be confidential and will not be used without your knowledge and consent. Information on processing the data can be found in the GDPR section below.

### Can I opt out of the study?

It is possible to withdraw from the study at any time without any consequences. We do not require a reason for resignation. If you resign from participation in the project, you will be able to erase the data entered in the app, thus deleting the data from the project database. Erasing the data means that the data will be deleted and will not be available either in the app or in our data base.

### If you have any questions, please contact us:

Karolina Mieszkowska, post-doc, [karolina.mieszkowska@psych.uw.edu.pl](mailto:karolina.mieszkowska@psych.uw.edu.pl)

Ewa Haman, principal investigator, [ewa.haman@psych.uw.edu.pl](mailto:ewa.haman@psych.uw.edu.pl)

## Information for parents and guardians of the surveyed children

Information obligation pursuant to Article 13 of the Regulation of the European Parliament and the Council (EU) 2016/679 of April 27, 2016 on protection of individual persons with regard to the personal data processing and on the free flow of such data, and also repealing Directive 95/46/EC (general regulation on data protection) (Official Journal EU L 119 of 04.05.2016, page 1, with subsequent changes) — hereinafter as the GDPR.

### 1. Administrator

The administrator, i.e. the entity deciding how your personal data will be used, is the University of Warsaw, represented by the Rector, based at ul. Krakowskie Przedmieście 26/28, 00-927 Warsaw.

### 3. Data Protection Officer

Rector of the University of Warsaw has appointed Data Protection Officer, whom you may contact for matters concerning your personal data. You can contact the DPO by sending an email to the following address: [iod@adm.uw.edu.pl](mailto:iod@adm.uw.edu.pl)

### 4. Purpose and legal grounds of data processing

With your consent, we process your data for the purpose of carrying out the study entitled "New perspectives on assessing early language development in mono- and bilingual context: a web-based interactive parental report in a longitudinal study" (acronym: StarWords; 2018/31/B/HS6/03916). The consent may be withdrawn at any time by sending an e-mail to the following address: [ewa.haman@psych.uw.edu.pl](mailto:ewa.haman@psych.uw.edu.pl) or [karolina.mieszkowska@psych.uw.edu.pl](mailto:karolina.mieszkowska@psych.uw.edu.pl)

### 5. Period of storage of your personal data

Your personal data will be processed for the duration of the study and then anonymized.

### 6. Recipients of your data

The recipients of your data will be entities authorized under the law.

### 7. Your rights related to processing

We guarantee the fulfillment of all your rights under the GDPR, i.e. the right to access and rectify data and the right to delete or limit processing, as well as the right to object.

### 8. Obligation to provide data and consequences of failure to provide data

Providing data is voluntary, but if you do not provide it, you will not be able to participate in the study.

### 9. The right to lodge a complaint with the Personal Data Protection Office

If you believe that the processing of your personal data violates the provisions of the general regulation on the protection of personal data, you have the right to lodge a complaint with the Office for Personal Data Protection.

**The text of the consent form (points below) can be found in the StarWords app and is here for reference only. After installing the application, the User will be asked to mark the mandatory consents (marked with \*) to be able to participate in the project.**

1. I have read and understood the information about the study and I agree to participate in the study together with my child.\*
2. I am aware that all information gathered in the study are confidential, will be coded and will be processed as anonymous.\*
3. I am aware that the information gathered in the study will be used in research publications and presentations, without revealing the identity of my family.\*
4. I am aware that the coded information gathered in the study will be used for scientific purposes by project members and collaborating researchers.\*
5. I am aware that my participation in the study is free of charge and that the study is for research purposes only.\*
6. I am aware that my participation in the study is voluntary and I can withdraw my consent to participate at any time.\*
7. I would like to receive information about other MultiLADA's projects that I could participate in together with my child. (not obligatory)