



Photos: Mikael Risedal, Machine-Headz, Robert Daly

How do we get our brains around school?

Language is extremely important in shaping us as individuals. Yet our current knowledge is very limited as to the role of the brain in how we understand and learn languages and the significance of multilingualism for brain development. More knowledge provides opportunities to investigate how we can best develop technology and educational methods to improve conditions for those who need extra learning support.

In recent years, new, multidisciplinary research constellations at Lund University have taken the lead on issues concerning the relationship between language, behaviour, learning and the brain. In several fields, an international impact is starting to be made. The research deals with language, learning, how the brain processes linguistic rhythm and melody, language and gestures, reading and writing in real time and the difficulties and capabilities of dyslexics. Successful research is also conducted on forms of representation, i.e. different forms of expression such as language, images and artistic creation. The goal is to broaden the work to encompass the interplay with music, art and drama.

The Humanities Laboratory, an important interdisciplinary hub and experimental environment, is the site of research, development and teaching activities. For example, the lab hosts a team working on eye tracking which is studying learning by measuring the visual behaviour of students. This research forms the basis of the design of future learning environments, in which it will be possible, among other things, to provide better support to pupils with difficulties in reading, writing and maths and to adapt textbooks and teaching aids according to the abilities of the student. In recent years, new, multidisciplinary research constellations at Lund University have taken the lead on issues concerning the relationship between language, behaviour, learning and the brain. In several fields, an international impact is starting to be made. The research deals with language, learning, how the brain processes linguistic rhythm and melody, language and gestures, reading and writing in real time and the difficulties and capabilities of dyslexics. Successful research is also conducted on forms of representation, i.e. different forms of expression such as language, images and artistic creation. The goal is to broaden the work to encompass the interplay with music, art and drama. The Humanities Laboratory, an important

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THE TEACHING METHODS OF THE FUTURE

In order for the basic research at the Humanities laboratory to be of practical benefit to students in the classroom, the goal is to build a digital classroom at the teacher training programme in Campus Helsingborg. Here, it will be possible to capture each individual student's needs and learning patterns using eye-tracking and in the long term, to create working methods which may eventually transform the teaching methods in use today. Both students in the teacher training programme and professionally active teachers in the municipalities can exploit the potential offered by the lab. With your help, we have an opportunity to develop our innovative research environment to its full potential, and to continue to seek answers to the fascinating questions about human beings as interpreting and learning beings.

FUNDING NEEDS

Funds to build a digital classroom in Helsingborg: SEK 5 million
Doctoral students: SEK 2 million per doctoral student over 4 years
Post docs: SEK 1.5 million per post doc over 2 years

All donations are welcome, whether large or small. Together we can work for a better world.

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