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# LABORATORY DEMONSTRATIONS

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Brains and Bodies in Social Interaction, Learning and Wellbeing

## Campus dogs: Care and reading dogs at JYU

Time	Tuesday 11 <sup>th</sup> of June, at 17:30–18:30
Duration	1 h
Max. participants	20
Place	Oppio building, Seminaarinmäki
Presenters	Peppi Taalas <sup>1</sup> & Mari Herttalampi <sup>2</sup> feat. campus dogs  1) Strategic educational development, Rector's Office, University of Jyväskylä 2) Department of Psychology, Faculty of Education and Psychology, University of Jyväskylä



**DESCRIPTION.** Besides humans, there are also dogs working on University of Jyväskylä campus enhancing the wellbeing of students. JYU Centre for Multilingual Academic Communication (Movi), together with student organizations and the Finnish Kennel Club, have brought certified Care and Reading Dogs on campus to enhance the well-being and learning ability of students, as well as to promote new pedagogical methods. The primus motor of the idea, Doc. Peppi Taalas from the Rector's office (Strategic educational development), will introduce the unique and beloved concept in the Oppio building.

## Investigating social perception in naturalistic situations

Time	Wednesday 12 <sup>th</sup> of June, at 16:30 and 17:00
Duration	20 min
Max. participants	-
Place	Kärki building, Mattilanniemi 6
Presenters	Piia Astikainen <sup>1</sup> , Xinyang Liu <sup>1</sup> & Elisa Vuoriainen <sup>2</sup>  1) Department of Psychology, Faculty of Education and Psychology, University of Jyväskylä 2) Department of Psychology, Faculty of Social Sciences, Tampere University



**DESCRIPTION.** We demonstrate the use of living persons in social perception research. These studies use liquid crystal screen as a tool and record EEG, electrodermal activity (EDA), heart rate variability, and facial muscle activity in a naturalistic situation where the participant perceives or interacts with a live person.

## Investigating multimodal interaction in clinical settings

Time	Wednesday 12 <sup>th</sup> of June, at 16:30 and 17:15
Duration	30 min
Max. participants	10
Place	Kärki building, Mattilanniemi 6, 2 <sup>nd</sup> floor, Aa250
Presenters	Virpi-Liisa Kykyri <sup>1</sup> , Anu Tourunen <sup>1</sup> , Satu Halonen <sup>1</sup> & Petra Nyman-Salonen <sup>1,2</sup>  1) Department of Psychology, Faculty of Education and Psychology, University of Jyväskylä 2) Department of Social Sciences and Philosophy, Faculty of Humanities and Social Sciences, University of Jyväskylä



**DESCRIPTION.** We illustrate a setting for capturing multimodal data during multi-person interactions. In our lab, we simultaneously record electrodermal activity (EDA), heart rate, and respiration, synchronized with high-quality footage from a six-camera video system and microphones. High-resolution videos of faces facilitate the analysis of emotions through facial expressions, while videos capturing the entire body enable the study of movements and their synchronization.

Research on music and movement	
Time	Wednesday 12 <sup>th</sup> of June, at 16:00–17:00
Duration	1 h
Max. participants	20
Place	Musica building, Motion capture Laboratory M014
Presenters	Marc Thompson <sup>1,2</sup> , Mikko Leimu <sup>1,2</sup> & Petri Toiviainen <sup>1,2</sup> <ol style="list-style-type: none"> <li>1) Department of Music, Art and Culture Studies, Faculty of Humanities and Social Sciences, University of Jyväskylä</li> <li>2) Centre of Excellence in Music, Mind, Body and Brain</li> </ol>



**DESCRIPTION.** The session will start with an overview of the Centre of Excellence in Music, Mind, Body and Brain, followed by an outline of the research on music and movement that has been carried at the department. Finally, an interactive demonstration of the motion capture system will be given.