

EXPLORATORY WORKSHOP IN COGNITIVE & EDUCATIONAL NEUROSCIENCE

AKA: EXPLORATIV WORKSHOP I KOGNITIV OCH PEDAGOGISK NEUROVETENSKAP

2021 November 2-3

We are delighted to invite researchers and practitioners with an interest in education, cognition and neuroscience to the first of a series of exploratory workshops starting November 2021. The initiative is a collaboration between Umeå and Stockholm universities supported by the Swedish Research council. The workshop will be held in real life and on Zoom. The aim of the workshops is to reciprocally share experiences and knowledge between researchers and practitioners in order to produce common research problems of concern for educational practices and for develop collaborative research.

The contribution of neuroscience to education:
possibilities and challenges
Professor Deborah Youdell



Neural correlates of children's and adults' number processing and how they relate to mathematical abilities and mathematics anxiety
Associate professor Kenny Skagerlund



Mathematical learning, spatial reasoning and cognitive training
Professor Torkel Klingberg



PROGRAM: Day 1 (in English)

- 10.00 Registration opens for check-in
- 12.45 – 13.00 Workshop opens (Bert Jonsson)
- 13.00 – 14.00 **Presentation:** Deborah Youdell
- 14.00-14.10 Coffe
- 14.10 – 15.10 **Presentation:** Kenny Skagerlund
- 15.10 - 15.20 Coffe
- 15.20 - 16.20 **Presentation.** Torkel Klingberg
- 16.20 - 16.50 **Panel discussion:** Challenges with cognitive and educational neuroscience research
Moderator: Professor Håkan Fischer
- 19.00 Invited Conference dinner

Testbaserat lärande: evidens från beteende- och neurovetenskapliga studier
Post doc. Sara Stillesjö & Universitetslektor Carola Wiklund-Hörnqvist



Kreativ matematik: Evidens från ögonrörelser och hjärnavbildning
*Universitetslektor Mathias Norqvist & Linnea Karlsson Wirebring
professor Johan Lithner*



PROGRAM: DAG 2 (på Svenska)

- 08.15 - 08.30 Inlärningsstrategier: En översikt (Bert Jonsson)
- 08.30- 09.30 **Presentation:** Carola Wiklund-Hörnqvist
Sara Stillesjö
- 09.30 – 09.40 Kaffe
- 09.40 - 10.40 **Presentation:** Johan Lithner, Mathias Norqvist
Linnea Karlsson Wirebring
- 10.40 - 10.50 Coffe
- 10.50 - 11.50 **Presentationer:** Johan Lithner, Mathias Norqvist
Linnea Karlsson Wirebring
- 11.50 - 13.00 Lunch
- 13.00 – 13.45 **Paneldiskussion:** Evidensbaserade metoder och implementering i utbildningskontexter
Moderator: Bert Jonsson
- 13.45 - 14.00 Framåtblick: Kommande workshops (Bert Jonsson)

For more information visit: [Exploratory workshop in cognitive & educational neuroscience](#)



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