

**Final Scientific Programme**  
**SIG22 Neuroscience and Education**  
**June 23-25 Amsterdam**

**Thursday June 23<sup>rd</sup>**

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- 13.30 Walk-in with coffee/tea
- 14.00 Welcome address by *Nienke van Atteveldt, VU University Amsterdam, the Netherlands*
- 14.30 Presentation of the Research Agenda on Brain, Cognition and Education by *Prof. Eveline Crone, Leiden University, the Netherlands*
- 14.45 Keynote lecture 1: **Stimulating the human brain to enhance learning and cognition: The parts are larger than the sum**  
*Roi Cohen Kadosh, Oxford University, UK*
- 15.45 Coffee break
- 16.15 Oral session 1. Chair: *Bert de Smedt, KU Leuven, Belgium*
- 16.15 **Comparison of ratios: The role of congruity and salience**  
*Babai Reuven, Tel Aviv University, Israel*
- 16.40 **Specialization of the right intraparietal sulcus for processing mathematics during development**  
*Margot Schel, Karolinska Institute, Sweden*
- 17.05 **Looking into the mind through the eyes: Children solve analogies differently than adults**  
*Rosa Alberto, Leiden University, the Netherlands*
- 17.30 **The Seductive Allure of Educational Neuroscience**  
*Soo-hyun Im, University of Minnesota- Twin Cities, USA*
- 17.55 End of the day

**Friday June 24<sup>th</sup>**

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- 08.30 Walk-in with coffee/tea
- 09.00 Keynote lecture 2: **Social cognition in the classroom**  
*Lydia Krabbendam, Vrije Universiteit Amsterdam, Netherlands*
- 10.00 Poster session A and coffee break
- 11.15 **Symposium: Neuroscience in the classroom.** Chair: *Ido Davidesco, New York University, USA*
- 11.15 Introduction to the symposium aims
- 11.20 **Brain-to-brain synchrony in the classroom: utilizing portable EEG in schools to integrate research and education**

*Suzanne Dikker & Ido Davidesco, Utrecht University & New York University*

- 11.50 **Translating neuroscientific research on memory formation to meet classroom practice: an approach to empower teachers and students to innovate and improve their teaching and learning**

*Efrat Furst, NeuroEducation practitioner, Boston, USA*

- 12.15 **The effects of neuro-education on students' implicit beliefs about intelligence, their STEM-related belief-system and STEM performance**

*Sandra van Alderen, Twente University, the Netherlands*

- 12.40 Chaired open discussion with all presenters

13.00 Lunch break (on your own)

14.30 Keynote lecture 3

**The brain basis of knowledge and knowledge acquisition**

***Guillén Fernandez, Donders Institute, Nijmegen, Netherlands***

15.30 Poster session B and coffee break

16.45 Oral session 2. Chair: *Daniel Ansari, The University of Western Ontario, Canada*

16.45 **Reading Modifies the Auditory Cortical Representation of Speech**

*Milene Bonte, Maastricht University, The Netherlands*

17.10 **Form similarity between new and existing words influences learning**

*Gabriela Meade, San Diego State University & University of California, USA*

17.35 **Stress-associated brain activation and its association to stress coping strategies in adolescents**

*Sabrina Golde, Charité - Universitätsmedizin Berlin, Germany*

18.00 **Core knowledge of geometry develops independently from vision**

*Benedetta Heimler, Hebrew University of Jerusalem, Israel*

18.30 End of the day

19.30 Conference dinner (pick up near conference venue)

## **Saturday June 25th**

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8.45 Walk in with coffee/tea

9.15 Keynote lecture 4: **Is cognitive control development in childhood and adolescence relevant to education?**

***Iroise Dumontheil, Birkbeck, University of London, UK***

10.15 Poster session C and coffee break

11.30 Keynote lecture 5: **Adapting brains for visual symbolic processing in reading and math**

***Bruce McCandliss, Stanford University, USA***

12.30 Closing Address including poster award by *Roland Grabner, University of Graz, Austria*

13.00 End of the conference