



Typical and atypical development of numerical cognition: evidence from brain & behavior

Schedule

The Hebrew University of Jerusalem, Mount Scopus

The Seymour Fox School of Education, room 459, April 12, 2016

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|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:00-15:00 | Gathering and registration |
| 15:00-15:30 | Opening remarks |
| 15:30- 16:45 | <i>Keynote speaker: Avishai Henik</i> |
| 16:45-17:15 | <i>Coffee break</i> |
| Neuroanatomy of numerical cognition | |
| 17:15-17:45 | <u>Helen Moriah Sokolowski</u> Developmental changes in the neural correlates of symbolic number processing: A functional neuroimaging meta-analysis |
| 17:45-18:15 | <u>Isabel Arend</u> Neuroanatomy of number synaesthesias |
| 19:30 | Social dinner for keynote speakers only |

The Seymour Fox School of Education, room 459, April 13, 2016

| Basic numerical processing | |
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| 9:00-9:30 | <u>Dror Dotan</u> How do we turn a multi-digit number into a single quantity? |
| 9:30-10:00 | <u>Naama Katzin</u> Subitizing: Information shapes perception |
| 10:00- 10:30 | <u>Zahira Ziva Cohen</u> Tactile enumeration and acquired acalculia |
| 10:30-11:00 | <u>Gali Katz</u> The development of counting ability: evolutionary algorithms point of view |
| 11:00-11:30 | <i>Coffee break</i> |
| 11:30-12:00 | <u>Tali Leibovich</u> Can we sense numbers? Evidence from a non-symbolic numerical comparison task |
| 12:00-12:30 | <u>Noam Bar-Shai</u> Using numerical information by foraging bees |
| 12:30-13:45 | <i>Keynote speaker: Orly Rubinsten</i> |
| 13:45-15:00 | <i>Posters + Lunch break</i> |
| 15:00-16:15 | <i>Keynote speaker: Marcie Penner-Wilger</i> |
| 16:15-16:45 | <i>Coffee break</i> |
| 16:45-18:00 | <i>Keynote speaker: Sarit Ashkenazi</i> |

The Seymour Fox School of Education, room 459, April 14, 2016

| Developmental dyscalculia | |
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| 9:00-9:30 | <u>Avital Rotem</u> Number sense in children with learning disabilities |
| 9:30-10:00 | <u>Dana Ganor-Stern</u> Computation estimation of individuals with atypical math skills |
| 10:00-10:30 | <i>Coffee break</i> |
| 10:30-11:45 | <i>Keynote speaker: Daniel Ansari</i> |
| 11:45-13:00 | <i>Lunch break + Posters</i> |
| Mathematical functions | |
| 13:00-13:30 | <u>Rotem Abdu</u> Metacognition, executive functions, and the ability to solve complex math problems |
| 13:30-14:00 | <u>Tomer Behor</u> MathMusic – a new tool for teaching graphs and geometry to visually impaired pupils using sensory substitution |
| 14:00-14:30 | <u>Benedetta Heimler</u> Core knowledge of geometry develops independently from vision |
| 14:30- 15:00 | <i>Coffee break</i> |
| Development of numerical cognition | |
| 15:00-15:30 | <u>Arava Kallai</u> Developmental study of the automatic processing of relative and absolute sizes |
| 15:30-16:00 | <u>Sarit Silverman</u> Deconstructing the cognitive estimation task: a developmental examination and intra-task contrast of the cognitive estimation task |
| 16:00-16:30 | <i>Closing remarks</i> |

Location: the Hebrew university of Jerusalem, mount Scopus, The Seymour Fox School of Education, room 459.

