

RESEARCH WORKSHOP OF THE ISRAELI SCIENCE FOUNDATION

**PROCEDURAL AND DECLARATIVE MEMORY, LANGUAGE
ACQUISITION, AND COGNITIVE PROCESSES:
DEVELOPMENTAL TRAJECTORIES AND IMPAIRMENTS IN
MONOLINGUAL AND BILINGUAL CHILDREN**

March 6-9, 2017

**All lectures will take place at the Gonda (Goldschmied) Multidisciplinary
Brain Research Center, building # 901, room # 101**

The workshop has been organized by the Gonda Multidisciplinary Brain Research Center together with the School of Education and the Department of English Literature and Linguistics at Bar-Ilan, University with generous support from the Israel Science Foundation 2392/16.

Registration: There is no registration fee, but **you must register by March 1st, 2017** at memlanworkshop@gmail.com

PROGRAM

Monday, March 6

- 9:30 *Registration*
- 10:00 **Opening remarks**
- 10:30 **Michael Ullman** (Georgetown University, Washington DC, USA)
Language, memory, and brain: Learning and memory brain systems in first and second language
- 11:30 **Esther Adi-Japha, Carmit Altman, Joel Walters, Sharon Armon-Lotem** (Bar-Ilan University)
ISF projects that led to this workshop
- 12:30 **Poster session + light lunch**
- 14:30 **Theo Marinis** (University of Reading, UK)
The contribution of declarative and procedural memory in production and comprehension tasks
- 15:15 **Elinor Saiegh-Haddad & Ola Ghawi-Dakwar** (Bar-Ilan University, IL)
Impact of diglossia on word and pseudo word repetition in Arabic in children with TLD and SLI
- 16:00 *Coffee break*
- 16:45 **Karolina Janacsek and Dezso Nemeth** (Eotvos Lorand University(ELTE), Budapest, HU)
Age-related differences in sequence learning and retention across the human life span
- 17:15 **Elma Blom** (University of Amsterdam, NL)
Language knowledge and processing in monolingual and bilingual children with and without language impairment: a developmental approach
- 18:00 *Reception*

Tuesday, March 7

Procedural memory in SLI & Reading

- 9:30 **Agnes Lukacs** (Budapest University of Technology and Economics, Hungary)
Procedural and declarative learning in specific language impairment
- 10:15 **Judith Rispens** (University of Amsterdam, NL)
Does procedural memory contribute to grammar? Insights from SLI and developmental dyslexia
- 11:00 *Coffee break*
- 11:30 **Rachel Schiff and Ayelet Sasson** (Bar-Ilan University, IL)
Artificial grammar learning among individuals with developmental dyslexia
- 12:00 **Mona Julius** (Bar-Ilan University, IL)
Children's ability to learn a motor skill is related to handwriting and reading proficiency
- 12:30 **Meni Yeari** (Bar-Ilan University, IL)
Online inferential and textual processing by poor comprehenders
- 13:00 *Panel discussion*
- 13:30 *Half-day trip - with sandwiches for the way*

Wednesday, March 8

Procedural memory

- 9:30 **Eli Vakil** (Bar-Ilan University, IL)
Declarative versus procedural memory: the distinction between task and process
- 10:00 **Avi Karni** (Haifa University, IL)
Beyond yes and no: memory is conditional
- 10:30 **Sara Ferman** (Tel-Aviv University)
Learning conditions and tasks matter
- 11:00 *Panel discussion*
- 11:15 *Coffee break*

Social factors affecting learning

- 11:45 **Dezso Nemeth** (Eotvos Lorand University (ELTE), Budapest, HU) *Social procedural learning: How the presence of others affects learning?*
- 12:30 **Ewa Haman** (University of Warsaw, PL)
Cognitive and social factors effecting dual language learning
- 13:15 *lunch*

Executive processes, Bilingualism & SLI

- 14:30 **Klara Marton** (City University of New York- Graduate Center, USA)
Executive processes in monolingual and bilingual children with and without language impairment
- 15:15 **Anat Prior** (University of Haifa, IL)
Executive processes in bilingual and monolingual children
- 15:45 **Sharon Armon-Lotem** (Bar-Ilan University, IL)
Executive processes in bilingual & monolingual children – impact of SLI and SES
- 16:15 *Coffee break*

Language processing and learning in Adults

- 16:45 **Antonella Sorace** (The University of Edinburgh, UK)
Trade-offs in cognitive control and effects on language processing by late adult bilinguals
- 17:30 **Tali Bitan** (University of Haifa, IL)
The effect of sleep on learning a second language in children and adults
- 18:00 **Tamar Degani** (University of Haifa, IL)
Cross-language influences in learning and processing
- 18:30 *Round table - open to grad students*
- 20:00 *Dinner*

Thursday, March 9

SLI, memory and Creativity

- 9:30 **Mark Leikin** (University of Haifa, IL)
IQ, Language and Creative Abilities of Preschoolers with Specific Language Impairment
- 10:00 **Navah Sanhedrai, Nira Mashal & Yeshayahu Shen** (Bar-Ilan University, IL)
The Influence of the Ontological Hierarchy on Hybrid Perception by Children with Typical Development and by Children with Language Impairment
- 10:30 **Naama Friedmann & Avia Gvion** (Tel-Aviv University, IL)
Syntactic and phonological working memory impairments: dissociations and associations
- 11:00 *Panel discussion*
- 11:15 *Coffee break*
- 11:45 **Jarrad Lum** (Deakin University, Victoria, AU)
Non-invasive brain stimulation modulates procedural learning: Implications for developmental disorders
- 12:30 **Carmit Altman & Esther Adi-Japha** (Bar-Ilan University)
Procedural learning in children with SLI and in bilingualism
- 13:15 *Concluding remarks*
- 13:30 *Working meeting*