



**THE HEBREW UNIVERSITY OF JERUSALEM
THE ISRAEL INSTITUTE FOR ADVANCED STUDIES**

Joint Research Conference of
The Israel Institute for Advanced Studies
& The Israel Science Foundation

On Faces, Bodies and Voices: Multimodal Mechanisms of Person Recognition

March 16-19*, 2015

Organizers:

Galia Avidan (Ben-Gurion University of the Negev)

Hillel Aviezer (The Hebrew University)

Tzvi Ganel (Ben-Gurion University of the Negev)

Galit Yovel (Tel Aviv University)

*On **March 16 & 18** the meeting will take place at the Israel Institute for Advanced Studies, Edmond J. Safra campus of The Hebrew University of Jerusalem, Feldman Building, Givat Ram. On **March 17** (Election Day) the meeting will take place in the nearby Jerusalem Gardens Hotel.

PROGRAM

Monday: March 16

The Hebrew University of Jerusalem
Feldman Building, Givat Ram

- 8:50-9:00 Welcome
- 9:00-11:00 **SESSION 1: SOCIAL COGNITION I**
Chair: Ruti Mayo
- 9:00-9:40 **Roberto Caldara**, University of Fribourg
Mapping face processing through human diversity
- 9:40-10:20 **Patrik Vuilleumier**, University of Geneva
Functional organization of face recognition networks: From visual processing to mentalizing
- 10:20-11:00 **Hillel Aviezer**, The Hebrew University
Extreme emotional expressions: Why do perceivers fail to utilize diagnostic information?
- 11:00 -11:30 Coffee Break
- 11:30 -12:50 **SESSION 2: SOCIAL COGNITION II**
Chair: Hillel Aviezer
- 11:30 -12:10 **Alex Todorov**, Princeton University
Data-driven methods for modeling social perception of faces
- 12:10-12:50 **Ruti Mayo**, The Hebrew University
Do we look like our names? Faces match given names
- 13:00 – 14:30 Lunch
- 14:30-16:30 **SESSION 3: FACE PERCEPTION: HOLISTIC MECHANISMS**
Chair: Galia Avidan
- 14:30 -15:10 **Ruth Kimchi**, University of Haifa
Faces as perceptual wholes: The interplay between featural and configural properties in face representation and processing
- 15:10 -15:50 **Tzvi Ganel**, Ben-Gurion University
Effects of configural processing on the spatial resolution for face features
- 15:50 - 16:20 Coffee Break
- 16:30 -17:10 **Itzhak Fried**, UCLA, Tel Aviv University, Tel Aviv Sourasky Medical Center
Concept cells in the human temporal lobe

17:10 -20:00 Poster session at IIAS Lobby

18:30 -20:00 Reception at IIAS Lobby

Tuesday: March 17
Jerusalem Gardens Hotel

9:00-11:00 **SESSION 4: VOICE RECOGNITION**
Chair: Tzvi Ganel

9:00-9:40 **Pascal Belin**, Aix-Marseille University
A vocal brain: Cerebral processing of voice information

9:40-10:20 **Stephan Schweinberger**, Jena University
Speaker perception from voice and face

10:20-11:00 **Guido Gainotti**, Universita Cattolica of Rome
Acquired disorders in familiar people recognition through face and voice

11:00 -11:30 Coffee Break

11:30 -12:50 **SESSION 5: BODIES and ACTIONS**
Chair: Rafi Malach

11:30 -12:10 **Paul Downing**, Bangor University
The lateral occipitotemporal cortex in action

12:10-12:50 **Udi Zohary**, The Hebrew University
On the representation of viewed hand actions in the human cortex

12:50 -14:30 Lunch

14:30 -17:10 **SESSION 6: FACES: NEURAL MECHANISMS**
Chair: Galit Yovel

14:30 - 15:10 **James Haxby**, Dartmouth College
Neural representation of animals, agents and objects

15:10 -15:50 **Kalanit Grill-Spector**, Stanford University
The functional neuroanatomy of face perception

15:50 -16:30 **Winrich Freiwald**, The Rockefeller University
Taking apart the neural machinery of face processing

16:30 -17:10 **David Pitcher**, National Institute of Health
How to (temporarily) break the face perception network: Combining TMS and fMRI

Election night - Free Evening

Wednesday: March 18
The Hebrew University of Jerusalem
Feldman Building, Givat Ram

9:00-11:00 **SESSION 7: PERSON RECOGNITION - COMPUTATION**
Chair: Udi Zohary

9:00-9:40 **Shimon Ullman**, Weizmann Institute
Atoms of recognition

9:40-10:20 **Alice O'Toole**, University of Texas at Dallas
Understanding human bodies and their contribution to person identification

10:20-11:00 **Lior Wolf**, Tel Aviv University
Web-scale training for face identification

11:00-11:30 Coffee Break

11:30-12:50 **SESSION 8: PERSON RECOGNITION – IDENTIFICATION**
Chair: Lior Wolf

11:30-12:10 **Rafi Malach**, Weizmann Institute
Neuronal correlates of inter-exemplar perceptual distance revealed in intra-cranial recordings of the human visual cortex

12:10-12:50 **Bruno Rossion**, Université Catholique de Louvain
Understanding face perception with fast periodic oddball stimulation: A paradigm shift in cognitive neuroscience

12:50 – 14:20 Lunch

14:20-15:40 **SESSION 9: PERSON RECOGNITION – IMPAIRMENTS**
Chair: Ruth Kimchi

14:20 -15:00 **Galia Avidan**, Ben-Gurion University
Impairment of the face processing network in congenital prosopagnosia

15:00 -15:40 **Brad Duchaine**, Dartmouth College
A cumulative model of developmental prosopagnosia

15:40-15:50 Short Break

15:50 -17:50 **SESSION 10: PERSON RECOGNITION - FAMILIARITY**
Chair: Yonatan Goshen

15:50 -16:30 **Morris Moscovitch**, University of Toronto
Episodic memory, the hippocampus and face recognition

16:30-17:10 **Ida Gobbini**, Dartmouth College and University of Bologna
Why and how familiar faces are special

17:10-17:50 **Galit Yovel**, Tel Aviv University
Are faces important for face (person) recognition?

17:50-18:15 Coffee Break

18:15-19:00 Guest Lecture: **Hanoch Piven** (Artist and Caricaturist)

19:30 Dinner for Conference Speakers

Thursday: March 19

9:00 – 13:00

Excursion to the Old City of Jerusalem for conference speakers