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

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

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