

**ISRAEL FRANCE COUNCIL FOR SCIENTIFIC AND TECHNOLOGICAL
RESEARCH**

ISRAEL- FRANCE SCIENTIFIC WORKSHOP

**NOVEL TOOLS AND TECHNOLOGIES FOR NEUROSCIENCE
RESEARCH**

WEDNESDAY, FEBRUARY 6TH, 2019



YEHUDA HOTEL

DERECH HAIM A. KOLLITZ 1, GIVAAT MASUA, JERUSALEM

WEDNESDAY, FEBRUARY 6TH, 2019

09:00 – 09:30 Gathering and Registration

09:30 – 10:00 Opening and Greetings

Ms. Ilana Lowi, Director, Division of International Relations, Ministry
of Science and Technology

Prof. Alexander Bligh, Chief Scientist, MOST

Dr. David Harari, Co-President Israel-France High Council for Scientific
and Technological Research

Mr. Sebastien Linden, Scientific and Academic Attaché, French Embassy

Session Morning

Chairperson: Dr. Yossi Kalifa, Deputy Chief Scientist, Ministry of Science and
Technology

10:00 – 10:30

The application of delayed contrast MRI to brain tumors and brain pathologies

Dr. Yael Mardor, Nuclear Physicist and Associate Professor of Oncology
Chief Scientist, The Advanced Technology Center Sheba Medical Center Tel-Hashomer

10:30 – 10:55

Assessing memory using navigation serious games

Prof. Laure Rondi-Reig, CNRS

10:55 – 11:20

Humanized in vitro synapse-on-chip platform for personalized drug development

Eran Perlson, Tel Aviv University, Senior Lecturer, Department of Physiology and Pharmacology, Sackler Faculty of Medicine

11:20 – 11:35 Coffee Break

11:35– 12:00

Linking AMPA receptor nanoscale organization and function at excitatory synapses

Prof. Daniel Choquet, Interdisciplinary Institute for Neuroscience, UMR CNRS-Université de Bordeaux

12:00 – 12:25

A magneto-chemical approach to target the nervous system for regeneration

Prof. Orit Shefi, Faculty of Engineering and Institute of Nanotechnologies and Advanced, Materials, Bar-Ilan University

12:25 - 12:50

Biotechnologies for new avenues for personalized treatment of brain diseases

Prof. Stéphane Palfi, Head of the Neurosurgical Department, Henri Mondor Hospital APHP, Université Paris UPEC

13:00 – 14:00 **Lunch**

Session Noon: Chairman: (TBC)

14:00 – 14:25

Multicolor, molecular MRI

Prof. Shai Berlin, Rappaport Faculty of medicine, Technion, Israel

14:25 – 14:50

Targeting serotonin 5-HT_{1A} receptor by biased agonists, a new pharmacological concept for psychotropic drugs?

Prof. Luc ZIMMER, Lyon Neuroscience Research Center (INSERM-CNRS) Université de Lyon – Hospices Civils de Lyon (France)

14:50 – 15:15

Hybrid Retina-High-resolution electrode array integrated with glutamatergic neurons for Restoration of Sight

Prof. Yossi Mandel, Senior Lecture, Faculty of Life Science, Bar Ilan University

15:15 – 15:40

Neural interactions during the emergence of a functional neuronal network in the embryo.

Prof. Pascal Legendre, institute of Biology Paris Seine, NPS, INSERM UMR_S 1130/CNRS UMR 8246/Sorbonne University.