



The 31th ISFN Annual Meeting

14-16 January 2024
Dan Hotel | Queen Of Sheba Hotel, Eilat



KALEIDOSCOPE
Conferences Events Exhibitions

Sunday, January 14th 2024

11:00-13:00 Welcome, Check in

13:00-14:00 Lunch

14:00-15:15 Opening, Plenary Lecture 1

15:30-17:30

Tarshish A	Tarshish B	Blue hall A	Blue hall B	Blue hall C	Dolphin Room
A1	A2	A3	A4	A5	A6
Boaz Barak	Chaya Kalcheim	Illana Gozes, Haitham Amal	Rita Schmidt	Ofer Yizhar	Arseny Finkelstein
Myelin and oligodendrocytes dysfunction in neuropathology	Sensory systems: from development to function	Psychiatric disorders: from molecular mechanisms to drug targets	Functional differences between individuals - what can we learn from long and short term signal variations in the human brain	Beyond "adult male mice": circuits and behavior throughout the lifespan	Using large cellular populations to reveal the neuronal code
Session Speakers - Tal Iram, Elior Peles, Michal Ben-Shachar, Boaz Barak	Session Speakers - Chaya Kalcheim, Adi Salzberg, Alex Binshtok, Ilan Lampl	Session Speakers - Hermona Soreq, Illana Gozes, Hanokh Khaphzan, Shashank Ojha	Session Speakers - Aviv Mezer, Hadar Kolb, Ido Tavor, Rita Schmidt	Session Speakers - Dana Rubi Levy, Maithe Arruda-Carvalho, Daniel Zelmanoff, Shay Stern	Session Speakers - Lilach Avitan, Yael Bitterman, Alon Rubin, Arseny Finkelstein

17:30-18:00 Coffee Brake

18:00-19:00 Plenary Lecture 2

19:00-20:30 Dinner

20:30-22:30 Beer and **Poster Session A** - All presenters stand by their posters

Monday, January 15th, 2024

08:30–10:30

Tarshish A	Tarshish B	Blue hall A	Blue hall B	Blue hall C	Dolphin Room
B1	B2	B3	B4	B5	B6
Tal Laviv lavivtal@tauex.tau.ac.il	Itamar Kahn ik2508@columbia.edu	Benedetta Heimler benedettaheimler@gmail.com	Oded Rechavi odedrechavi@gmail.com	Abigail Livny-Ezer abigail.livnyezer@gmail.com	Dan Frenkel dfrenkel@tauex.tau.ac.il
Molecular mechanisms of synaptic plasticity in the developing and adult brain	Circuit mechanisms of motor learning and control in animals and humans	Cognitive-motor-affective interactions during naturalistic behaviors in virtual reality	“Cogito, ergo sum” – how perception shapes our physiology	The use of Artificial Intelligence (AI) in medical neuroimaging, will it change practice?	Impairment in metabolic pathways in neurodegenerative disease
Session Speakers – Alberto Cruz-Martin , Satoshi Kida, Shira Knafo, Ivo Spiegel	Session Speakers – Xenia Gofman, Jackie Schiller, Roy Mukamel, Raffaella Tonini	Session Speakers – Michal Ramot, Rony Hirschhorn, Ramit Ravona, Prof. Plotnik, Benedetta Heimler	Session Speakers – Shamgar Ben-Eliyahu, Noam Sobel, Lior Rozenkrants, Lior Laufer	Session Speakers – Abigail Livny-Ezer, Dr. Yaara Erez, Firas Mawase, Maya Kadushin	Session Speakers – Jens Pahnke, Heather Ferris, Ronit Pinkas-Kramarski, Dan Frenkel

10:30–11:00 Coffee Brake

10:45–13:45 Eilat student’s panel at queen of Sheba hotel

11:00–13:00

Tarshish A	Tarshish B	Blue hall A	Blue hall B	Blue hall C	Dolphin Room
C1	C2	C3	C4	C5	C6
Tawfeeq Shekh-Ahmad tawfeeq.shekh-ahmad@mail.huji.ac.il	Dmitri Rusakov d.rusakov@ucl.ac.uk	Tal Burstyn-Cohen talbu@mail.huji.ac.il	Bruce Hope bhope@intra.nida.nih.gov	Gali Umschweif gali.umschweif@mail.huji.ac.il	Michal Rivlin michal.rivlin@weizmann.ac.il
Recent Advances in Gene Therapy for Neurological Disorders	Astroglial regulation of synaptic circuits	Cellular interactions guiding neural development and function developing nervous system	Molecular, cellular, and circuit mechanisms of drug-related learning	cellular and molecular regulation of stress-induced behavior	Coding principles in sensory and motor systems: breaking the rules
Session Speakers – Tawfeeq Shekh-Ahmad, Bruria Gidoni-Ben-Zeev, Moran Rubinstein, Rami Aqeilan	Session Speakers – Christian Henneberger, Nathalie Rouach, David Holcman, Dmitri Rusakov	Session Speakers – David Shprinzak, Orit Shefi, Dalit Sela-Donenfeld, Tal Burstyn-Cohen	Session Speakers – Bruce Hope, Rami Yaka, Segev Barak, Yoni Kupchik	Session Speakers – Gali Umschweif-Nevo, Gal Richtel-Levin, Dorit Farfara-Cohen, Alon Chen	Session Speakers – Shiko Parnas, Rony Azouz, Mati Joshua, Michal Rivlin

13:00–14:00 Lunch

14:00-15:00 Plenary Lecture 3

15:30-17:30

Tarshish A	Tarshish B	Blue hall A	Blue hall B	Blue hall C	Dolphin Room
D1	D2	D3	D4	D5	D6
Yuval Nir	Dietmar Schmitz	Ramon Birnbaum	Pablo Blinder	Omer Revah	Orit Shefi
yuvalnir.tau@gmail.com	dietmar.schmitz@charite.de	ramonb@bgu.ac.il	pb@tauex.tau.ac.il	omer.revah@mail.huji.ac.il	orit.shefi@biu.ac.il
Sleep: unconscious restoration, from molecules to behavior	Israeli-German Symposium	Neuronal transcription regulation	New insights into Brain Barriers development and function	Human brain organoids in neurodevelopment and disease	Neuromechanics and Neuroengineering
Session Speakers - Lior Appelbaum, Hagai Bergman, Yuval Nir, Anat Arzi	Session Speakers - Dietmar Schmitz, Michael Brecht, Sarah Shoichet, Rost Benjamin	Session Speakers - Eran Mehsorer, Evan Eliot, Dan Bracha, Rawan Alatawna	Session Speakers - Karina Yaniv, Tali Ilowitz, Gad Vatine, Ayal Ben-Zvi	Session Speakers - Igor Ulitsky, Orly Reiner, Abed Mansour, Omer Revah	Session Speakers - Vittoria Raffa, Yossi Yovel, Matan Mussel, Uri Nevo

17:30-18:00 *Coffee break*

18:00-19:00 Plenary Lecture 4

19:00-19:30 ISFN General Assembly Business Meeting - Regular and emeritus members only - better half an hour than zoom meeting

19:00-20:30 *Dinner*

20:30-22:30 beers and **Poster Session B**

22:30-24:30 DJ party

Tuesday, January 16th, 2024

08:30-10:30	Tarshish A	Tarshish B	Blue hall A	Blue hall B	Blue hall C	Dolphin Room
E1	E2	E3	E4	E5	E6	
Ehud Cohen ehudc@ekmd.huji.ac.il	Oren Shriki shrikio@bgu.ac.il	Dori Derdikman, Yaniv Ziv derdik@technion.ac.il; yaniv.ziv@weizmann.ac.il	Gadi Gilam gadi.gilam@mail.huji.ac.il	Hanna Keren Hanna.keren@biu.ac.il	Marc Deffains marc.deffains@u-bordeaux.fr	
Cellular proteostasis mechanisms in health and disease	Artificial neural networks as models of biological sensory processing	Learning and Memory: From mice to humans	Modulating pain from the terminal to the brain – Basic and translational insights into mechanisms of pathological pain	Virtual environments for the study of human behavior and perception	Rethink about the role of the external globus pallidus in basal ganglia functions	
Session Speakers – Avraham Ashkenazi, Simone Engelender, Adrian Israelson, Ehud Cohen	Session Speakers – Oren Shriki, Tal Golan, Galit Yovel, Omri Barak	Session Speakers – Itzhak Fried, Dori Derdikman, Yaniv Ziv, Eran Stark	Session Speakers – Avraham Yaron, Rachely Buttermann, Irit Weissman-Fogel, Gadi Gilam	Session Speakers – Tom Schonberg, Elana Zion-Golombic, Roy Salomon, TBD	Session Speakers – Thomas Boraud, Hagai Bergman, Shiran Katabi, Dana Cohen	

10:30-11:00 *Coffee Brake*

11:00-13:00	Tarshish A	Tarshish B	Blue hall A	Blue hall B	Blue hall C	Dolphin Room
F1	F2	F3	F4	F5	F6	
Lior Mayo liormyo@tauex.tau.ac.il	Abed Mansour abed.mansour@mail.huji.ac.il	Yoav Livneh yoav.livneh@weizmann.ac.il	Gilad Silberberg, Ilan Lampl gilad.silberberg@ki.se	Gaddi Blumrosen gaddi.b@gmail.com		
Here and Back Again, A Neuroimmunology's Tale	Stem-cells based technologies to study brain disorders	Brain-body interactions in the insular cortex	Structure and function of interhemispheric communication	Monitoring and Diagnostics of neurological disease and disorders at home environment settings		
Session Speakers – Lior Mayo, Michal Schwartz, Eran Blacher, Alon Monsenero, Jeanne Paz	Session Speakers – Shani Stern, Zeev Melamed, Gad Vatine, Eran Hornstein	Session Speakers – Sarah Stern, Kobi Rosenblum, Yoav Livneh, Asya Rolls	Session Speakers – Katayun Cohen-Kashi, Ami Citri, Yael Moran, Yaniv Assaf	Session Speakers – Alexandra Saad Ayelet Landau, Gaddi Blumrosen, Gaddi Blumrosen		

13:00-14:00 *Lunch*

14:00-15:00 **Announcement of Prizes: Best mentor Prize, Poster Competition Prizes**

END OF ISFN2024