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| 8:30-9:00 | Coffee & registration |  |
| 9:00-9:30 | Welcome: Organizing Committee |  |
| 9:30-10:30 | Keynote: **Asya Rolls**  Introduction: Inna Gaisler-Salomon | **Remembering immunity: brain regulation of immune processes** |
| 10:30-11:00 | Coffee break |  |
| 11:00-13:00 | **Session1: Brain/Body communications and eating**  Chair: Kobi Rosenblum | **behavior** |
|  | Donald Katz | Embracing the moment: the importance of a sudden ensemble transition during sensorimotor processing |
|  | Yoav Livneh | Cortical computations of current and future interoception within the brain-body loop |
|  | Noam Weinbach  Mouna Maroun | TBD  TBD |
|  | Rafi Lamprecht | Nck1 activity regulates long-term fear memory formation in lateral amygdala |
| 13:00-14:00 | Lunch |  |
| 14:00-16:00 | **Session 2: Neurobiology of human iPSC derived neurons in health and disease**  Chair: Shani Stern | |
|  | Abed Mansour  Gad Vatine | TBD  TBD |
|  | Simon Schafer | Modeling the susceptibility of human brain development for autism spectrum disorders |
|  | Rami Aqeilan | Modeling and characterizing developmental epileptic encephalopathies: from basic science to translational medicine |
|  | Jerome Mertens | TBD |
| 16:00-18:00  18:00 | Poster Session and light dinner (University)  DJ Party |  |

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**The 9th international meeting of the Integrated Brain and Behavior Research Center**

**Gene x Environment Interactions in Brain Health and Disease**

Safdie Auditorium, University of Haifa

June 14-16, 2022

Day 1, Tuesday June 14th

Day 2, Wednesday June 15th

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| 8:30-9:00 | Coffee |  |
| 9:00-11:00 | **Session 1: The social brain: from animal models to human interactions**  Chair: Simone Shamay-Tsoory | |
|  | Yann Coello  Shlomo Wagner | The social dimension of the peripersonal space  TBD |
|  | Noga Cohen | On the benefits of social emotion regulation |
|  | Anat Perry | Empathic accuracy and synchrony in social interactions: a social neuroscience perspective |
|  | Shai Gabay | The evolution of prosocial tendencies: What can we learn from the Archerfish? |
| 11:30-12:00 | Coffee break |  |
| 12:00-13:00 | Keynote: **Mara Mather**  Chair: Noga Cohen | **Increasing the coordination and responsivity of emotion-related brain regions with a randomized trial of a 5-week heart rate variability biofeedback intervention** |
| 13:00-14:00 | Lunch |  |
| 14:00-16:00 | **Session 2:  Fear and learning in health and psychopathology**  Chair: Avi Karni | |
|  | Bram Vervliet | Regulating fear: from passive extinction to active avoidance |
|  | Oded Klavir | Neural circuits of fear driven actions |
|  | Jan Haaker | Neuropharmacological pathways of social threat learning |
|  | Stefano Palminteri | Context-Dependence Induces false memories of Economic Values |
|  | Arianna Maffei | Neural mechanisms for taste learning |
| 16:00  19:00 | Coffee break  Dinner for invited speakers and chairs |  |

Day 3, Thursday June 16th

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| 8:30-9:00 | Coffee |  |
| 9:00-11:00 | **Session 1: Emotional aspects of cognitive function**  Chair: Uri Hertz | |
|  | Katrin Schulz | Cognitive control and emotion regulation: How close is the link? |
|  | Nazanin Derakhshan | Attentional control as a determinant of emotional vulnerability and resilience |
|  | Senne Braem | Learning to be in control |
|  | Sven Barnow | Emotion regulation, psychopathology, and the emotion under control training |
|  | Hadas Okon-Singer | Cognitive biases in psychopathology: Recent evidence and potential intervention strategies |
| 11:00-12:30 | **Meditation session and Blitz Talks**  Chair: Aviva Berkovich-Ohana |  |
| 12:30-13:30 | Lunch |  |
| 13:30-15:30 | **Session 2: Epigenetics mediating gene x environment interactions in health and psychiatric illness**  Chair: Inna Gaisler-Salomon | |
|  | Schahram Akbarian | The tRNA regulome in neuropsychiatric disease |
|  | Oded Rechavi | TBD |
|  | Edi Barkai | A biophysical mechanism for epigenetic inheritance of enhanced complex learning capabilities |
|  | Hermona Soreq | Non-coding RNA controllers of acetylcholine signaling as body-brain communicators |
|  | Gil Atzmon | Epigenetics signature as a predictive tool for drug response in an animal model of PTSD |
| 15:30-16:00 | Coffee break |  |
| 16:00-18:00 | **Session 3: Psychopathology**  Chair: Avi Mendelsohn |  |
|  | Gal Richter-Levin | Towards understanding individual variability in response to stress and trauma |
|  | [Roee Admon](mailto:radmon@psy.haifa.ac.il) | Secondary intervention with cannabinoids prevents PTSD-like effects in rats through beta-catenin signaling |
|  | Segev Barak | Neuronal ensembles in the nucleus accumbens control alcohol-memory reconsolidation and relapse |
|  | Tomer Shechner | TBD |
|  | Hanoch Kaphzan | TBD |
|  | Irit Akirav | Secondary intervention with cannabinoids prevents PTSD-like effects in rats through beta-catenin signaling |
| 18:00-19:00 | Keynote: **Fred Gage**  Chair: Shani Stern | **Age related dysfunction in iN-derived neurons from sporadic Alzheimer’s patients** |
| 19:00-19:30 | Poster awards and Closing remarks |  |
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