# 17th PhD Research Seminar Day

**Faculty of Health Sciences, Ben-Gurion University of the Negev**  
**Tuesday, 26th June 2018**

## Program

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>8:30</td>
<td>Student registration  <em>Joyce &amp; Irving Goldman Auditorium</em></td>
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</table>
| 9:00  | Opening remarks  
  Prof. Alon Monsonego | Vice Dean, Faculty of Health Sciences  
  Prof. Dudi Bar-Zvi | Dean, Kreitman School of Advanced Graduate Studies  
  Prof. Eli C Lewis | Organizer |
| 9:30  | *Jacob Tal Award*  
  Hosted by prof. Gopas and Tal family |
| 10:00 | Plenary PhD lectures (chair: prof. Ariel Tarasiuk)  
  Dan Milikovsky | *Mechanism-driven novel electrophysiological biomarkers for brain disorders* (Friedman Lab)  
  Nofar Torika-Nadiv | *Modulation of brain inflammation by angiotensin-related drugs* (Fleisher-Berkovich Lab) |
| 11:00 | Parallel sessions  
  Four PhDs each session (room):  
  S1 (105), S2 (102), S3 (301), S4 (302), S5 (307), S6 (202) |
| 12:50 | Lunch break (Caroline Building Lobby)  
  Student attendance signatures |
| 13:35 | Plenary PhD lecture (chair: Dr. Sigal Fleisher-Berkovich)  
  Omer Basha | *Network biology approaches to decipher molecular pathways in genetic disease* (Yeger-Lotem Lab) |
| 14:00 | In memory of Leslie Lobel  
  Hosted by Dr. Ran Taube  
  Prof. Amos Katz | Dean, Faculty of Health sciences  
  Students | Shlomit Fedida-Metula; Ariel Sobarzo, PhD  
  *Guest lecturer:* Prof. Jonathan M. Gershoni, Dep. Cell Research and Immunology, TAU |
| 15:00 | Amir Abramovitz Award  
  Hosted by prof. Vadim Freifeld and Abramovitz family |
| 15:20 | Biomedicine Awards  
  Hosted by Dr. Ran Taube on behalf of prof. Eli Beit-Yanai, Head of Advanced Graduate Student Committee |
| 15:30 | *Guest lecturer:* Dr. Nir Madjar  
  Head of the Program of Educational Counseling, School of Education, BIU  
  *The Science Behind Thesis-Induced Stress* |
| 16:00 | Farewells  
  Student attendance signatures |
**Parallel Sessions** (Deichman building)

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<th>Session 1</th>
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**Chair:**
- Noah Isakov
- Itay Rousso
- Ronen Schuster
- Noam Levin
- Michal Hershfinkel
- Ehud Ohana

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<tr>
<th>Time</th>
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<tr>
<td>11:00</td>
<td>Boris Baranovski</td>
<td>(Lewis Lab)</td>
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<td>Nir Goldstein</td>
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<td>Ahmad Nassar</td>
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<td>Yael Eskira</td>
<td>(Lobel Lab)</td>
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<td>Olga Radinsky</td>
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<td>Kritika Mittal</td>
<td>(Monsonego Lab)</td>
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<td>11:25</td>
<td>Reut Riff</td>
<td>(Douvdevani Lab)</td>
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<td>Odeya Damri</td>
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<td>Keren Asraf</td>
<td>(Fleisher-Berkovich)</td>
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<td>Sanela Rankovic</td>
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<td>Michal Wasserman</td>
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<td>Udi Vazana</td>
<td>(Friedman Lab)</td>
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**Break**

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<tr>
<td>12:00</td>
<td>Amos Douvdevani</td>
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<td>Hava Golan</td>
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<td>Esti Yeger-Lotem</td>
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<td>12:25</td>
<td>Maram Arafat</td>
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<td>Maayan Vatarescu</td>
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<td>Amitha Muraleedharan</td>
<td>(Livne and Monsonego Labs)</td>
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<td>Mohammad Assadi</td>
<td>(Segev and Tarasiuk Labs)</td>
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<td>Pandya Pinakin</td>
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<td>Dor Danan</td>
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<td>Kiran Kundu</td>
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<td>Michael Zaiden</td>
<td>(David Lab)</td>
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<td>Saper Bechor-Hadadi</td>
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<td>Moran Fairstein-Zur</td>
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<td>Nikhil Anto Poumonor</td>
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<td>Amitai Zuckerman</td>
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Department of Clinical Biochemistry & Pharmacology
The Shraga Segal Department of Immunology & Microbiology
Department of Physiology & Cell Biology
ABSTRACTS BY NUMBER

1  Dan Milikovsky | Mechanism-driven novel electrophysiological biomarkers for brain disorders
2  Nofar Torika-Nadiv | Modulation of brain inflammation by angiotensin related drugs
3  Boris Baranovski | Human α1-antitrypsin modulates repopulating T cells in a xenotransplantation model
4  Reut Riff | Immune paralysis is associated with adenosine A1 receptor dysfunction
5  Maram Arafat | Mutation in TDRD9 causes non-obstructive azoospermia in infertile men
6  Kiran Kundu | Modulation of NKp44-PCNA Immune Checkpoint Using a Novel Monoclonal Antibody Against Membrane-Associated PCNA
7  Nir Goldstein | The adipose tissue in obesity: a story on autophagy, cytokine and inflammation
8  Odeya Damri | Inter-Relationship between Consequences of Brain Mitochondrial Dysfunction and Agents that Promote Mitochondrial Respiration
9  Maayan Vatarescu | Rapid liver miRNAs changes may mediate improved glucose and lipid metabolism early after dietary reversal of obesity
10 Michal Zaiden | CD44-targeted polymer-Paclitaxel conjugates to control the spread and growth of metastatic tumors
11 Ahmad Nassar | The Role of Inflammation in the Pathophysiology and Treatment of Mood Disorders
12 Keren Asraf | Regulation of brain inflammation by neuropeptides: in vivo and in vitro models
13 Amitha Muraleedharan | Astrocytes in Alzheimer's Disease: Role of Protein Kinase C
14 Sapir Hadadi-Bechor | Regulation of macrophage lipid handling by autophagy is lipid-substrate and polarization-state-dependent
15 Yael Eskira | Analysis of immune responses to filovirus infections
16 Sanela Rankovic | HIV-1 capsid uncoating: A structural and mechanical analysis using atomic force microscopy
17 Mohammad Assadi | Upper Airway Obstruction is Associated with Abnormal Energy Metabolism and Changes in GH Axis
18 Moran Fairstein-Zur | Regional-dependent intestinal absorption after oral administration and its impact on regulatory approval of generic drug products
19 Olga Radinsky | Functional recognition mediated by chimeric receptors: implications for diagnostics and therapy – focus on Sudan ebolavirus and Marburgvirus long recovered survivors
20 Michal Wasserman | The involvement of Telomerase and Topoisomerase I in woman fertility
21 Pandya Pinakin R | Biological role of PICOT in cell growth regulation
22 Nikhil Anto Ponnoor | Regulation of PKCθ and PKCθ-directed signalling events in T cells by Pin1
23 Kritika Mittal | Innate-adaptive immune crosstalk modulates amyloid neurotoxicity in mouse models of Alzheimer’s disease
24 Udi Vazana | Seizure-induced blood-brain barrier dysfunction: phenomena, underlying mechanism and therapeutic potential
25 Dor Danan | Looking into the pulsatile nature of endogenous cortisol secretion, the factors governing that pulsatility and their effect on Post-Traumatic Stress Disorder (PTSD) risk, using a rat model
26 Amitai Zuckerman | A translational study of low-pressure blast wave-induced mild traumatic brain injury (mTBI) and post-traumatic stress disorder (PTSD): Neurobiological mechanisms and potential treatments
27 Omer Basha | Network biology approaches to decipher molecular pathways in genetic disease
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Our Faculty
Departments:
Clinical Biochemistry & Pharmacology
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Department of Physiology and Cell Biology
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The Shraga Segal Department of Immunology and Microbiology
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Abstracts