

# **The Fourth Annual Student Research Symposium**

**Program & Abstracts**

**March 20<sup>th</sup>, 2014**



**New York State/American Program  
Sackler Faculty of Medicine  
Tel Aviv University, Israel**

**Thursday, March 20<sup>th</sup>, 2014**

Schedule of Events

<b>3:30-4:00</b>	<b>Arrival and Refreshments</b>
<b>4:00-4:15</b>	<b>Welcome and Opening of Symposium, Room 201</b> Prof. Arnon Afek, MD, MHA Blake, Zelickson, Mark Vieyra, and Maxine Stachel
<b>4:15-5:15</b>	<b>Keynote Presentations, Room 201</b>
Debbi, EM	Biochemical adjuvant therapy: changing the course of total knee arthroplasty
Zelickson, BR	Mitochondrial stress induced by cardiac volume overload leads to cardiomyocyte bioenergetic dysfunction
Fisher, E	From macro to micro: population studies, genotyping technology, and the development of a new therapeutic approach for Huntington disease
Vainer, S	Increased risk of chest blow induced ventricular fibrillation (Commotio Cordis) in an acquired LQTS model
Rozowsky, S	The role of sodium-coupled neutral amino acid transporters in alveolar fluid homeostasis
<b>5:15-5:30</b>	<b>Break</b>

**5:30-6:45**

**Concurrent Session I:**

**Public Health & Epidemiology, Room 201**

- Clarfield, T      The potential impact of safety-net hospital closure on patients and surrounding emergency departments with the implementation of the Affordable Care Act
- Torkan, A      Assessing the implementation and yield of the touchscreen tablet PC patient self-administered ASSIST drug screening tool in community health centers
- Snyder, D      The health care system in Argentina: an explanation of its structure and analysis of its strengths and weaknesses
- Reissner, H      Factors influencing birthing decisions after previous caesarean section
- Shogilev, D      Preferences for resuscitation and intubation among patients with do-not-resuscitate/do-not-intubate orders: a one-year follow up study
- Mizrahi, J      Advanced age is not a risk factor for poor functional outcome in patients with ulcerative colitis treated with restorative proctocolectomy

**5:30-6:45**

**Cardiovascular Presentations, Room 200**

- Shimiaie, JJ      Determinants of effort intolerance in patients with heart failure: combined echo and cardiopulmonary stress protocol
- Benor, A      Aortic pulse wave velocity as a marker of cardiovascular risk in patients with FMF
- Kossar, AP      Moderate pre-operative renal dysfunction improves following orthotopic heart transplantation and does not impact long-term mortality
- Helfand, AM      New evidence that elevated concentrations of angiogenesis inhibitors drive endothelial-to-mesenchymal transition in the CKD population
- Katz, A      Hind limb ischemia in an ApoE knockout mouse
- Roth, B & Murinson, M      Control of hypertension: a survey of Israeli internal medicine departments

**5:30-6:45**

**Pharmacology Presentations, Room 215**

- Zucker, D      A small molecule DNA synthesis inhibitor modulates protein homeostasis and increases healthspan in *Caenorhabditis elegans*
- Katler, QS      Amantidine as an augmentation therapy to sildenafil for sexual dysfunction caused by risperidone
- Gryzman, N      Sponsorship, antidepressant dose, and outcome in major depressive disorder: meta-analysis of randomized controlled trials
- Shimonovich, S      The role of intranasal ketamine analgesia in acute orthopedic trauma injuries
- Fisher, E      ED11, a biologically feasible caspase-6 inhibitor is a potential therapy for Alzheimer disease
- Loreck, A      Effect of vitamin E and memantine on functional decline in Alzheimer disease

**5:30-6:45**

**Neurology Presentations, Room 120**

- Stone, E      Corpus callosum DTI metrics correlate with MRI lesion load in active relapsing-remitting multiple sclerosis patients
- Nack, E      Exposure to female pheromones stimulates a specific type of neuronal population in the male but not the female magnocellular division of the medial preoptic nucleus of the Syrian hamster
- Tepper, JE      Pelvic nerve injury leads to increased Rho-kinase mediated adrenergic vasoconstriction of the distal vagina
- Essakow, J      The undiscovered link
- Sharfman, Z      Geriatric depression and sarcopenia, the chicken or the egg: an observational cohort study in geriatric depression and sarcopenia
- Kushner, J      An investigation of bovine intracranial endothelial cell behavior through isolation and characterization including response to shear stress

**6:45-7:00**

**Break**

**7:00-8:00**                    **Concurrent Session II:**

**7:00-8:00**                    **Hematology & Oncology Presentations, Room 201**

Gold, H                        Biochemical, functional, and clinical implications of PP6C mutations in melanoma

Rubinger, DA                Biomarker use is associated with reduced clinical trial failure risk in metastatic melanoma

Viner, M                      Use of liver SULmean in FDG PET/CT: reader vulnerability and effect of volume of interest

Rose, S                      Efficacy and safety of bevacizumab for recurrent glioblastoma multiforme: a systemic review and meta-analysis

Shklar, V                    Specialized geriatric care in head and neck surgical oncology

**7:00-8:00**                    **Immunology & Ophthalmology Presentations, Room 200**

Choleva, L                    Vitamin D supplementation and upper respiratory tract infections in adolescent swimmers: a randomized controlled trial

Karlin, J                      Caspase-1 dependent IL-1 $\beta$  secretion is critical for host defense in a mouse model for *Chlamydia pneumoniae* lung infection

Simsolo, E                    Prevalence of acute otitis media and acute mastoiditis with and without complications in the pre- and post-Prevnar era

Wald, DW                    Comparison of early experience with intraoperative wavefront aberrometry IOL power calculations in laser-assisted versus conventional cataract surgery

Singer, DD                    Corneal sensitivity after application of four NSAIDs in volunteers: a randomized clinical trial

<b>7:00-8:00</b>	<b>Biochemistry &amp; Stem Cells Presentations, Room 215</b>
Belo, J	SOX9 and Wnt signaling in human fetal pancreatic development
Zilberstein, N	Activation of complex I of the electron transport chain favors mitochondrial permeability transition pore opening
Glick, M	Characterization and determination of fate of adult progenitor cells in a rat femur fracture model
Sabbah, BS	Extracellular matrix-like substances and leukemia inhibitory factor for culturing early human follicles
Adler, D	Murine whole bone marrow contains various populations of cycling hematopoietic stem cells
<b>8:00-8:10</b>	<b>Break</b>
<b>8:10-8:30</b>	<b>Announcement of Awards and Closing Ceremony, Room 201</b> Blake Zelickson, Mark Vieyra, and Maxine Stachel