

UK-Israel Workshop on
Hemodynamics, Vascular Wall Morphology and Atherogenesis
December 12-13, 2005, Tel Aviv University, Israel

Under the Auspices of the
Ministry of Science, Israel
The British Council, UK

ORGANIZING COMMITTEE:

Israel: Einav S - Chairman, Keshet E, Binah O, Yakhot A, Keren G, Elad D, Scheinowitz M, Hassin Y, Gomori M, Kimmel E, Rosenfeld M.

UK: Sherwin S – Chairman, Winlove P, Wang W, Weinberg P, Walker P, Doorly D, McLaughlin T

December 12-13, 2005

Tel Aviv University,

LOCATION and DATES

Monday, December 12, 2005

8:30- 16:00 – All Day

Malka Brender Hall of Justice (KES HAMISPAT),
Trubowicz Building, The Buchmann Faculty of Law
Tel Aviv University,

Tuesday, December 13, 2005

8:30- 16:00 – All Day

Kagan Hall- Room No. 100,
Trubowicz Building, The Buchmann Faculty of Law
Tel Aviv University,

FORMAT

Single oral session.

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PROGRAM

Monday, December 12, 2005	
Malka Brender Hall of Justice (KES HAMISPAT), Trubowicz Building, The Buchmann Faculty of Law	
8:30-9:00	Registration
9:00-10:30	Atherosclerosis and Vulnerable Plaque Chairman: Peter Walker Shmuel Einav: The vulnerable plaque: Hemodynamic perspective. Kobi George: Immunity and autoimmunity in atherogenesis: Lessons from experimental models. Peter Walker: Mass transport in a moving coronary artery. Peter Weinberg: Intra-arterial distribution of atherosclerotic lesions, haemodynamic stresses and mechanisms linking the two.
10:30-11:00	Coffee Break
11:00-12:30	Force Transduction and Shear Stress Chairman: Tim McGloughlin Beny Geiger: Cells and adhesions under flow. Keynote Lecture Wen Wang: Interstitial fluid movement and solute transport in extracellular matrices. Rafi Kornstein: Regulation of the mechanical properties of human erythrocytes. Eitan Kimmel: Permeability in endothelial monolayers due to shear stresses in a model of constricted coronary
12:30-14:00	Lunch
14:00-16:30	Clinical and Translational Research Chairman: Yonathan Hasin Yonathan Hasin: To be announced Amir Landsberg: To be announced Ran Kornowski: Intra-myocardial therapeutics: Gene transfer and cellular transplantation in diseased hearts. Tim McGloughlin: The application of hemodynamic analysis to the development of novel vascular grafts. David Elad: Cellular changes in endothelial cells under ultra-sound irradiation. Dan Gazit: Vascular imaging skeletal tissue engineering.
Tuesday, December 13, 2005	
Kagan Hall- Room No. 100, Trubowicz Building, The Buchmann Faculty of Law	
8:30-10:30	Vascular Biology – Diagnosis and Intervention Chairman: Eli Keshet Eli Keshet: An endothelial-specific promoter regulated by turbulent flow. Moshe Gomori: To be announced Peter Winlove: The physiological functions and physical properties of the vascular extracellular matrix. Dan Adam: Minimally invasive and non-invasive therapeutic techniques for the treatment of superficial veins. Dror Harats: To be announced.
10:30-11:00	Coffee Break
11:00-12:30	Hemodynamic of Blood Vessels: Experiments and Modeling Chairman: Spencer Sherwin Denis Doorly: Combined computational and experimental modeling of cardiovascular Flows. Spencer Sherwin: Multiscale flow modeling of the cardiovascular system. Alex Yakhot: Kriging-POD-based reconstruction of Incomplete arterial flow data. Benjamin Kaimovitz: Large-Scale Morphologically-Based Reconstruction of the Pig Coronary Vasculature in a 3-D Heart Model.
12:30-14:00	Lunch
14:00-16:30	Cardiac Regeneration, Stem Cells and Gene Therapy Chairman: Ofer Binah (Moshe Flugelman) Meir Preis: Use of vascular cells for therapeutics. Ofer Binah: Human embryonic cardiac stem cells: Advantages and limitations. Marcel Machluf: To be announced Mickey Scheinowitz: Angiogenesis: from protein therapy to endothelial progenitors. Yonathan Leor: Stem cell for myocardial regeneration: Creating hype ignoring reality.

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טופס הרשמה

לצורך הערכות ארגונית והכנת חוברות תקצירים, אנו מבקשים הרשמה מוקדמת
(ההשתתפות בכנס אינה כרוכה בתשלום)

את טופס ההרשמה הרצ"ב נא לשלוח אל קרן נבון-קימל:

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שם משפחה _____ שם פרטי _____
טל' בעבודה _____ נייד _____ פקס _____
כתובת בעבודה _____
דואר אלקטרוני _____

הנני מאשר את השתתפותי בכנס בתאריך 12-13 בדצמבר

חתימה _____ תאריך _____