

## International Society for Heart Research

### European Section- ISRAELI SUBSECTION

## הכנס השנתי של האיגוד הישראלי לחקר הלב

אולם ורחבת כניסה של מכון NIBN, בניין 41, אוניברסיטת בן גוריון בנגב. ביום ה' 2 ביוני 2022 9:00-16:30

הכנס כולל הרצאות ופוסטרים של סטודנטים וחוקרים צעירים ממיטב מוסדות המחקר בארץ העוסקים במחקר הקרדיווסקולרי (תכנית מצורפת- ההרצאות יועברו באנגלית)

שעת התכנסות הרשמה וכיבוד 9:00 ברחבת בניין 41

דמי הרשמה (כולל דמי חבר לאיגוד):

הרשמה בכינוס	הרשמה מקדימה בהעברה בנקאית
סטודנטים/גמלאים 70 – ש"ח	סטודנטים/גמלאים 50 – ש"ח
הרשמה רגילה 220 ש"ח	הרשמה רגילה 200 ש"ח
התשלום בצ'ק או במזומן ביום הכנס	יש לבצע העברה לקב' ישראלית למחקר לב, בנק לאומי- סניף 655 מס' חשבון 10398925 לשלוח אישור העברה ל <a href="mailto:israelishr@gmail.com">israelishr@gmail.com</a>

עדכונים באתר האיגוד

[www.ishr-il.org](http://www.ishr-il.org)

מצפים לראותכם

ועד האיגוד

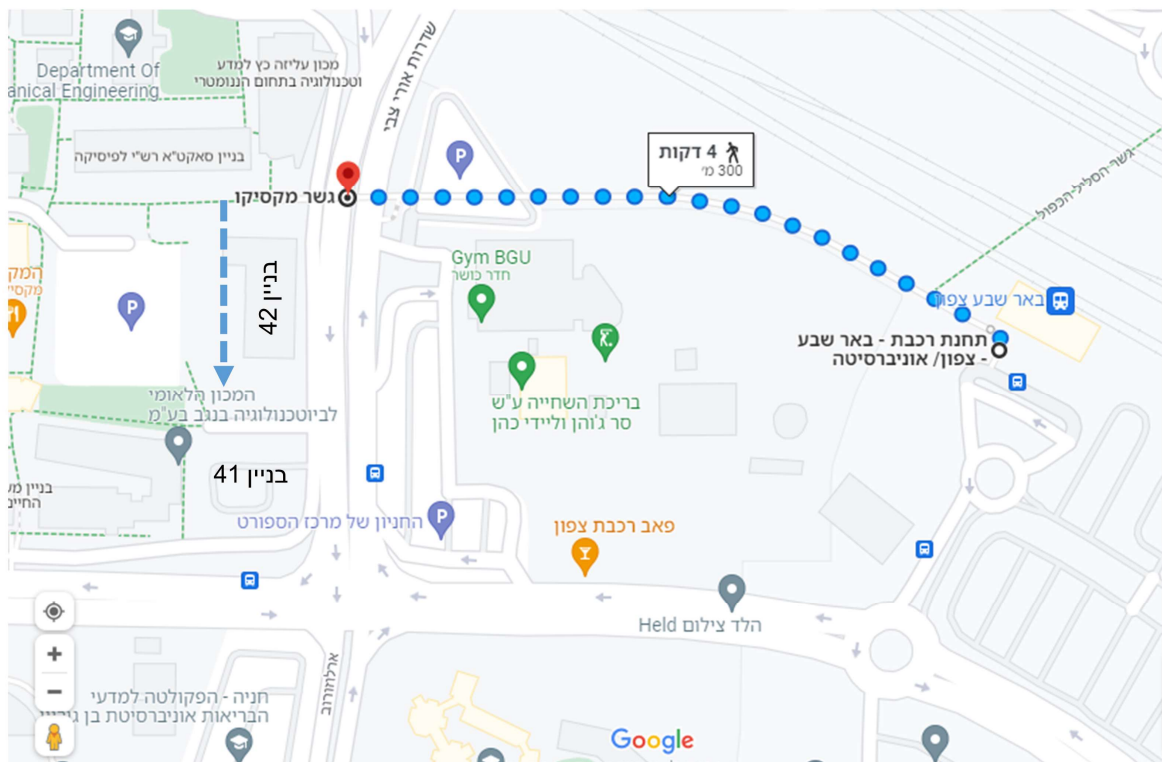
08:30-09:30	<b>Registration, Coffee and Exhibition</b>		
09:00-09:30	ISHR annual meeting (for members only)		
09:30-09:45	Welcome –NIBN Hall		
<b>NIBN Hall</b> <b>Rena Yarom - Young Investigator Competition</b> Chairs: <b>Ronen Beeri, Yossi Orly</b>			
09:45-10:00	<b>Session 1</b>	<b>Assad Shiti</b>	Modeling familial atrial fibrillation caused by connexin40 mutation using gene-edited hiPSC derived atrial tissues
10:00-10:15		<b>Lama Awwad</b>	Tumor progression ameliorates heart failure outcome
10:15-10:30		<b>Hanna Bueno-Levy</b>	Repurposing of glatiramer acetate to treat heart failure
10:00-10:45		<b>Michael Murninkas</b>	An objective tool to quantify atrial fibrillation substrate and complexity in freely moving rats
10:45-11:00		<b>Shira Burg</b>	Allosteric inhibitors targeting the calmodulin-pip2 interface of sk4 k+ channels for atrial fibrillation treatment
11:00-11:15		<b>Tal Caller</b>	Extracellular vesicles from the infarcted and failing heart drive tumor growth
11:15-12:00	Posters – Lobby Hall		
12:00-12:45	Lunch Break		
<b>NIBN Hall</b> <b>Session 2</b> Chairs: <b>Jonathan Leor, Oren Caspi</b>			
12:45-13:00	<b>Session 2</b>	Matteo Ghiringhelli	Generation of humanized recellularized heart chambers
13:00-13:15		Ida Maiorov	Quantification of the energy stored in myocardial wall during systole and is utilized for facilitating diastolic recoil.
13:15-13:30		Itai Erlich	Live imaging of translation in living cardiomyocytes at super-resolution
13:30-13:45		Itai Rotem	Exogenous osteopontin promotes infarct repair
13:45-14:00		Jacob Elkahal	Repurposing of glatiramer acetate to treat cardiac ischemia
14:00-14:30	Coffee break and Posters		
<b>NIBN Hall</b> <b>Session 3</b> Chairs: <b>Itzik Kehat, Hemi Rotenberg</b>			
14:30-14:45	<b>Session 3</b>	Oded Edri	Optogenetic Control of Repolarization Gradients in Human Induced Pluripotent Stem Cell Derived Cardiac Tissue
14:45-15:00		Rami Haddad	Spatial sub-sarcomeric proteomic analysis reveals novel sarcomeric proteins
15:00-15:15		Shoval Miyara	Targeting the autocrine loop of cardiac myofibroblasts to fight fibrosis
15:15-15:30		Tomer Heitner	Novel Noninvasive Method for Detection of Peripheral Artery Stenosis in the Presence of Widespread Arteriosclerosis. From Theory to Clinical Studies
15:30-15:45		Yousef Abboud	Human trophoblast cell derived extracellular vesicles improve cell therapy for myocardial repair
15:45-16:00	Summary and announcement of <b>YIA</b> Winners		

### Poster session and competition

Lobby Hall	Bord number	Presenter	Posters Title	Chair: <b>Yael Yaniv, Sharon Etzion, Katrin Vandroorne</b>
<b>Posters</b> 11:15-12:00 14:00-14:30	101	Amit Itzhar	Development of a potent sustained-release MMP9 inhibitory system against left ventricular remodeling post-myocardial infarction	
	103	Assaf Bar	Engineered extracellular vesicle-mediated delivery of miR-199a-3p increases the viability of 3D printed cardiac patches	
	104	Alex Cherniak	A new image processing methodology to analyze local electromechanical properties of cardiomyocytes in 2D cultures	
	105	Daniel Shiff	Generation of a novel in-vitro model of the infarct border zone to study ventricular arrhythmias	
	106	Danielle Regev	Induction of intermittent hypoxia upon stem cells derived cardiomyocytes as a model for cardiac damage in Obstructive Sleep Apnea (OSA) Syndrome	
	107	Hadas Gil	Defining a specific timeline for periostin upregulation in cardiac fibrosis following myocardial infarction	
	110	Idan Haim	Diastolic Dysfunction "in a Dish"- a Novel Organoid Model of Heart Failure with Preserved Ejection Fraction	
	111	Ido Weiser-Bitoun	A non-invasive method to detect sinoatrial node dysfunction in human	
	112	Inbar Iron	The role of ZEB2 transcription regulation network following a myocardial infarction in cardiac fibroblasts	
	114	Itai Rotem	Exogenous osteopontin promotes infarct repair	
	117	Limor Arbel Ganon	Ionic feedback between membrane currents in mice sinoatrial node tissue	
	120	Noa Marcovich	Mechanical ventilation can induce pulmonary postcapillary collapse which decreases cardiac output; An integrated model of the cardiopulmonary interactions	
	121	Noam Kazma	Strategies for maturation of cardiovascular organoids for modeling acquired and inherited adult-onset cardiomyopathies	
	124	Rosa Levin	Characterization of MicroRNA and Cytokines in Peri-Aortic adipose tissue in Coronary Artery Disease patients	
	125	Sav yon Mazgaoker	A coupled-clock system drives the automaticity of spontaneously beating human induced pluripotent stem cell-derived cardiomyocytes	
	126	Shany Glatstein	Optogenetic cardioversion of atrial arrhythmias in a superfused rat atria	
	128	Shoval Miyara	Targeting the autocrine loop of cardiac myofibroblasts to fight fibrosis	
	129	Sofia Segal	cAMP/PKA signaling affects aged-deteriorated pacemaker beat interval dynamic: antiaging approach	
	131	Tatyana Glukhovski	The role of telomerase on genes expression in mouse heart	
	133	Yehuda Wexler	Optical Control of Arrhythmia Morphology in Human Induced Pluripotent Stem Cell Derived Cardiomyocyte Cell Sheets	
134	Yehuda Wexler	Optogenetic cardiomyocyte hyperpolarization for arrhythmia termination and the creation of reversible functional blocks		

## הנחיות להגעה מתחנת הרכבת:

יש לרדת בתחנת באר שבע צפון וביציאה מהתחנה לפנות ימינה ולצעוד בגשר המוביל לאוניברסיטת בן גוריון (גשר מקסיקו) עד לכניסה. כעשרה מטרים לאחר הכניסה לאוניברסיטה יש לפנות שמאלה ולרדת במדרגות לרחבה שמתחת לבניין 42 ומשם להתקדם עוד 50 מטר בקו ישר לרחבת בניין 41 (המכון הלאומי לביוטכנולוגיה בנגב) שם מתקיים הכינוס.



## Presenter Guidelines

### The annual meeting of the ISHR Israeli

#### Speaker Guidelines

1. **Oral Sessions** will have 15 minutes allotted for each abstract.  
12 minutes presentation, followed by 2 minutes and 1 minute for transition
2. Your presentation should be saved as a PC PowerPoint file.
3. Presentation slides should be in English. Please use a spelling checker (and have an English speaker go over your presentation).
4. Talks will be in English.
5. **IMPORTANT:** Upload your presentation in the breaks well before the session begins.

#### Poster Presenter Guidelines

1. Poster Hall Location: NIBN building (41)
2. Poster Set-up: 8:30 – 9:00 a.m.
3. Poster Tear-down: 4:00 p.m.
4. The Program distributed at the meeting will include the number of your poster board.
5. Poster size should be 120cm high x 90cm wide.
6. During the poster session hours presenters will be encountered by evaluators and will be asked to present their study briefly (5 min per poster)