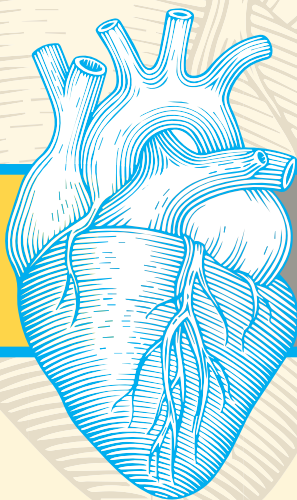




Dear Colleagues,
We are pleased and happy to invite you to:

**Cardiac Biomarkers
Symposium**
High Sensitive Troponin:
Present and Future



24-26 September 2019
Bar Ilan University | Tel Aviv Israel

The aim of this symposium is to address clinical and diagnostic issues regarding cardiac biomarkers in general, and the troponin test in particular.

The conference will also cover how to utilize high-sensitivity cardiac troponin for early rule-out and rule-in of myocardial infarction in clinical practice, and what are the international guidelines for defining normality, 99th percentile and decision cut-off concentrations to optimize patient safety outcomes. In addition, the conference will present the recent advances in detection technologies to detect cardiac biomarkers.

Moreover, our goal is to emphasize the importance to develop the ability to establish a partnership plan for communication between the laboratory emergency medicine and cardiology providers on how to implement hs-cTn testing in clinical practice along international evidence-based and expert opinion guidelines.

This conference is intended for laboratory directors, cardiologists, Internal medicine physicians, clinical chemists, laboratory technologists, and biomedical engineers interested in learning strategies for developing and implementing high-sensitivity troponin tests.

National Scientific Committee

Dr. Amos Danielli (Bar Ilan University, Israel)

Dr. Marielle Kaplan (Rambam Health Care Campus, Israel)

Prof. Offer Amir (Baruch Padeh Medical Center, Israel)

Prof. Oren Zinder (Formerly Rambam Health Care Campus, Israel)

International Scientific Committee

Prof. Fred apple (Hennepin County Medical Center/University of Minnesota, USA)

Prof. Alan Jaffe (Mayo Clinic, USA)

Prof. Jack Ladenson (Washington University in St. Louis, USA)



SYMPOSIUM TOPICS

- Implementing hs Troponin in the real world – rule-out and rule-in algorithms
- Reclassification of MI based on troponin
- Cardiac Biomarkers: Use of panels versus single tests
- New markers of cardiac disease – potential addition to diagnostics - Tomorrow's possibilities?
- Using Troponin in the Community for Risk Assessment of Cardiovascular Diseases
- New Technologies for Troponin measurement: Advantages of cardiac markers by the bed side
- BNP versus NT PROBNP: Guidelines for implementation of BNP testing

MEETING ORGANISERS

Israel Society for Clinical Laboratory Sciences (ISCLS)
Bar-Ilan University
Israel Science Foundation (ISF)
Bar-Ilan Institute of Nanotechnology and Advanced Materials (BINA)

AUSPICES

The cardiac Biomarkers Symposium is organized under the Auspices of the International Federation of Clinical Chemistry  & The European Federation of Clinical Chemistry and Laboratory Medicine 

SYMPOSIUM PROGRAM

TUESDAY, SEPTEMBER 24, 2019

8:15–9:00 Get together

9:00–9:30 Opening and greetings

9:30–10:30 **Plenary 1: Prof Marcelle Mahlouf (Technion, Israel)**
Nature inspired biomaterial to treat broken heart

10:30–11:00 Coffee Break

11:00–13:30 **Session 1: Clinical aspects for implementing the use of high sensitive troponin**

Chair: **Prof Offer Amir** (Head Cardiovascular Division, Baruch Padeh Medical Center, Poriya, Israel)

- **Prof Kristian Thygesen (Aarhus University Hospital, Denmark)**
The Fourth Universal Definition of Myocardial Infarction.


- **Prof Allan S. Jaffe (Mayo Clinic, USA)**
Practical Implementation of High Sensitivity cardiac troponin – gaps and potential problems.
- **Dr Gabby Elbaz Greener (Cardiovascular Division, Baruch Padeh Medical Center, Israel)**
Troponin: Point of view of the cardiologist
- **Prof Fred Apple (Hennepin County Medical Center/University of Minnesota, USA)**
UTROPIA Approach for Implementation of High-Sensitivity Cardiac Troponin Into Clinical Practice

13:30–14:30 Lunch

14:30–15:30 **Session 2: Use of Troponin for risk stratification of cardiovascular diseases**

Chair: Dr. Tamar Stam (Meuhedet Health Maintenance Organization, Israel)

- **Prof Allan S. Jaffe (Mayo Clinic, USA)**
Studies versus Implementation in Individual Patients – words of caution.
- **Dr Dimitrios Farmakis (University of Cyprus Medical School, Cyprus)**
High-sensitivity cardiac troponin I in general population screening

This session will be sponsored by  iEX Medical Ltd

WEDNESDAY, SEPTEMBER 25, 2019

9:30–10:30 **Plenary 2: Prof Jack Ladenson (Washington University in St. Louis, USA)**
Higher sensitivity troponin, how we got there

10:30–11:00 Coffee break

11:00–12:30 **Session 3: Update on cardiac biomarkers**

Chair: Prof Oren Zinder (Formerly from Rambam Health Care Campus, Israel)

- **Prof Fred Apple (Hennepin County Medical Center/University of Minnesota, USA)**
Clinical Laboratory Practice Recommendations for the Use of High Sensitivity Cardiac Troponin: A Great Patient Care Tool If Utilized Appropriately

- **Prof Johannes Mair (Innsbruck Medical University, Austria)**
Troponin release from injured myocardium

12:30-13:30 lunch

13:30–15:00 **Session 4: BNP and NT-PROBNP**

Chair: Dr Marielle Kaplan (Rambam Health Care Campus, Haifa Israel)

- **Dr Dimitrios Farmakis (University of Cyprus Medical School, Cyprus)**
Natriuretic peptides in clinical practice
- **Prof Johannes Mair (Innsbruck Medical University, Austria)**
ProBNP derived peptides in the circulation – impact of sacubitril treatment on BNP interpretation
- **Dr Yaron Helman (Rambam Health Care Campus, Haifa Israel)**
The use OF NT-PROBNP in heart failure: From diagnosis to prognosis

THURSDAY, SEPTEMBER 26, 2019

9:30–10:30 **Plenary 3: Prof Tal Dvir (Tel Aviv University, Israel)**
Tissue engineering: from 3D printing to bionic organs

11:00–11:30 **Session 5: New technologies for determination of troponin:**

Chair: Dr Amos Danielli (Bar Ilan University, Israel)

- **Dr Amos Danielli (Bar Ilan University, Israel)**
Magnetic modulation biosensing for rapid detection of cardiac biomarkers
- **TBD**

12:00–13:30: Panel & Discussion

14:00 Lunch

GENERAL INFORMATION

Date and Venue The Scientific program and exhibition of the Cardiac Biomarker Symposium will be held in the **Bar Ilan University, Faculty of Engineering, Building 1102, Main Hall**, Max and Anna Webb St., Ramat Gan, Israel.

Registration desk The registration desk will be open for the duration of the Symposium For all inquiry please contact - cbs2019@kenes-kenes-events.com

Registration site

For Registration click here

להרשמה לחץ כאן

Abstract submission

Early Registration Deadline: 01.08.19

The registration fee includes

- Admission to all scientific sessions
- Admission to exhibition
- Symposium material (program, congress bag)
- Coffee breaks
- Lunch

Posters presentation Abstract on studies related to the symposium topics can be submitted for poster presentation.

Abstract should be in English, format should be one page of A4 size, including authors names and affiliations.

Abstract Deadline for poster presentation: 1.08.19

Abstract submission: [cbs24-260919](tel:0524260919)

Congress language The official language of the congress will be English.

Exhibition An exhibition of laboratory equipment and reagents will take place during the meeting.

Internet The organizers kindly invite you to visit the meeting web pages at <https://www.ilmar.org.il/iscls/>

Accommodation Kfar Maccabiah Hotel (<https://www.kmc-hotel.co.il/>), Perets Bernstein 7 st. P.O. Box 919, Ramat-Gan – 5224771 Israel.

For special rates please use the code: ["Bar Ilan VIP Delegations"](#)