



האקדמיה הלאומית הישראלית למדעים  
المجمع الوطني الإسرائيلي للعلوم والآداب  
THE ISRAEL ACADEMY OF SCIENCES AND HUMANITIES



The Israel Academy of Sciences and Humanities  
and The Van Leer Jerusalem Institute  
cordially invite you to an international conference on

האקדמיה הלאומית הישראלית למדעים  
ומכון ון ליר בירושלים  
מתכבדים להזמין אתכם לכינוס בין-לאומי משותף בנושא

## 2050: מה צופן העתיד לסוגיות הביוראתיות של המחקר הביורפואי

# 2050: What the Future Holds for Bioethical Issues in Biomedical Research

**Monday – Wednesday,  
December 12-14, 2022**

at the Academy, 43 Jabotinsky St., Jerusalem

**בימים שני-רביעי י"ח-כ' בכסלו תשפ"ג  
14-12 בדצמבר 2022**

בבית האקדמיה, רחוב ז'בוטינסקי 43, ירושלים

### Monday, December 12, 2022

16:30 **Gathering**

17:00 **Opening Session**

**Chair: Prof. Aharon Ciechanover**, Nobel Laureate and Academy Member; Technion – Israel Institute of Technology

**Greetings**

**Prof. David Harel**,

President, The Israel Academy of Sciences and Humanities

**Prof. Shai Lavi**, Director, The Van Leer Jerusalem Institute; Professor of Law, Tel Aviv University

Introduction of the speaker:

**Prof. Nadav Davidovitch**, School of Public Health, Faculty of Health Sciences, Ben-Gurion University of the Negev

**Keynote Lecture**

**Prof. Allan Brandt**, Harvard University, USA

**Looking Backward, Looking Forward: Biomedical Research Ethics in Historical Perspective**

### Tuesday, December 13, 2022

8:30 **Registration**

9:00 **Session I** Is biomedical research over-regulated or under-regulated? A comparative perspective

**Chair and Moderator: Prof. Shai Lavi**, Director, The Van Leer Jerusalem Institute; Professor of Law, Tel Aviv University

**Dr. Sivan Tamir**, Israel Tech Policy Institute; The International Center for Health, Law and Ethics, University of Haifa

**Over-Regulation or Under-Regulation of Biomedical Research: Is that the Question?**

**Round Table**

**Prof. Eitan Friedman**, Sheba Medical Center; Head of the Helsinki Committee, Israel Ministry of Health; Tel Aviv University

**Prof. Vardit Ravitsky**, Université de Montréal, Canada Centre for Bioethics, Harvard Medical School, USA

**Dr. Sivan Tamir**, Israel Tech Policy Institute; The International Center for Health, Law and Ethics, University of Haifa

11:00 **Coffee break**

11:20 **Session II** Lost in translation? The ethics of shifting from translation to implementation

**Chair: Prof. Yechiel Michael Barilan**, School of Medicine, Tel Aviv University

**Prof. Søren Holm**, Centre for Social Ethics and Policy, Department of Law, University of Manchester. UK  
**Precision Medicine and Patient Rights**

**Prof. Jonathan Kimmelman**, School of Population and Global Health, McGill University, Canada  
**The Moral Economy of Drug Development**

**Prof. Yechiel Michael Barilan**, School of Medicine, Tel Aviv University  
**The Therapeutic Therapeutic Misconception**

13:00 **Lunch break**

14:00 **Session III** Experimenting or treating? Drawing a fine line in times of a worldwide pandemic

**Chair: Prof. Nadav Davidovitch**, School of Public Health, Ben-Gurion University of the Negev

**Prof. Dror Mevorach**, Hadassah Medical Center, Jerusalem  
**Emergency Use Authorization (EUA): Between Strengthening a Nation's Public Health and Abuse of Drug Licensing**

**Dr. Sharon Alroy Preis**, Israel Ministry of Health, Head of Public Health Service

**Between Research and Public Health Intervention - The Case of COVID19**

**Prof. Jonathan M. Metz**, Department of Medicine, Health, and Society, Vanderbilt University, USA  
**Covid, Healthcare, and the Ideologies of Illness**

**Prof. Dorit Nitzan**, School of Public Health, Faculty of Health Sciences, Ben-Gurion University of the Negev  
**Ethical Considerations in Emergency Preparedness and Response**

16:00 **Coffee break**

16:20 **Session IV** What social responsibilities, if any, should big-pharma companies (and other large private companies) have?

**Co-Chairs and Moderators: Prof. Shai Lavi**, Director, The Van Leer Jerusalem Institute; Professor of Law, Tel Aviv University

**Prof. Nadav Davidovitch**, School of Public Health, Ben-Gurion University of the Negev

**Round Table**

**Prof. Allan Brandt**, Harvard University, USA

**Prof. Dror Harats**, Tel Aviv University; Sheba Medical Center, Tel-Hashomer

**Prof. Vardit Ravitsky**, Université de Montréal, Canada

## Wednesday, December 14, 2022

### 9:00 Registration

#### 9:30 **Session V** When is biomedical research illegitimate? from human cloning to the stigmatization of vulnerable populations

**Chair: Prof. David Heyd**, Department of Philosophy, The Hebrew University of Jerusalem

**Dr. Christine Grady**, Chief, Department of Bioethics, National Institutes of Health, USA

**Looking Forward: Why Certain Types of Biomedical Research Should Not Be Done**

**Prof. Jonathan D. Moreno**, University of Pennsylvania, USA  
**Data, Genes, and Brains: New Challenges for Old Limits**

### 11:10 Coffee break

#### 11:30 **Session VI** New ethical challenges in the age of big data and digital precision medicine

**Co-chairs: Prof. Dina Ben-Yehuda**, Faculty of Medicine, The Hebrew University of Jerusalem; Hadassah Medical Center, Jerusalem

**Prof. Ephrat Levy-Lahad**, Medical Genetics Institute, Shaare Zedek Medical Center, Jerusalem

**Dr. Sandra Soo-Jin Lee**, Chief of the Division of Ethics, Department of Medical Humanities and Ethics, Columbia University  
**The Ethics of Diversity, Inclusion and Global Data Harmonization in the Age of Precision**

**Prof. Michal Rozen-Zvi**, Director, AI in Healthcare, IBM Research; Faculty of Medicine, The Hebrew University of Jerusalem

**Xai and Causal Inference: Benefiting from the Technology When Applying it on Noisy and Biased Data of Patients With Parkinson's Disease**

### Debate

**Moderators: Prof. Dina Ben-Yehuda** and **Prof. Ephrat Levy-Lahad**

**Prof. Varda Shalev**, Management Partner Team8, VC; School of Public Health, Sackler Faculty of Medicine, Tel Aviv University

**Prof. Daniel Filc**, Department of Politics and Government, Ben-Gurion University of the Negev

### 13:20 Lunch break

#### 14:15 **Session VII** Artificial intelligence (AI) and machine learning in biomedical research

**Chair: Prof. Ephrat Levy-Lahad**, Director, Medical Genetics Institute, Shaare Zedek Medical Center, Jerusalem

**Prof. Effy Vayena**, Deputy Head, Institute of Translational Medicine, Department of Health Sciences and Technology, ETH Zurich, Switzerland

**Health AI Ethics: The Long Path from Principles to Action**

**Prof. Jeroen van den Hoven**, Professor of Ethics and Technology, Delft University of Technology, The Netherlands  
**Ethics of Artificial Intelligence in Health Care**

### 15:30 Coffee break

#### 15:50 **Session VIII** The role of the Institutional Review Boards (IRBs): Research, drug development, ethics and regulation – how to mediate between them all

**Chair and Moderator: Prof. Dror Harats**, Sackler Faculty of Medicine, Tel-Aviv University; Sheba Medical Center, Tel-Hashomer, Chairman of the IRB committee and Vice President for Research and Development

### Round Table

**Prof. Avraham Shlomo Berliner**, Chair, IRB Committee, Tel Aviv Sourasky Medical Center (Ichilov)

**Prof. Ilan Cohen**, Chair, IRB Committee, Meir Medical Center

**Dr. Catherine Ela**, Director, Department of Clinical Trials, Israel Ministry of Health

**Dr. Lee Goldstein**, Chair, IRB Committee, and Head of the Clinical Pharmacology Unit, Haemek Medical Center

### 17:00 **Closing Session** Conclusions and a look to the future

**Chair: Prof. Shai Lavi**, Director, The Van Leer Jerusalem Institute; Professor of Law, Tel Aviv University

The conference will be live-streamed on the Israel Academy website and the Van Leer website

The conference will be in English



הכינוס ישודר בשידור חי  
באתר האקדמיה  
ובאתר מכון ון ליר

ההרצאות יהיו בשפה האנגלית

הכניסה ללא תשלום, בהרשמה מראש | מספר המקומות באולם מוגבל – הכניסה על בסיס מקום פנוי  
Please register in advance | Admission is free of charge, on the basis of available seating

Follow the Academy on social media    עקבו אחר האקדמיה ברשתות החברתיות

Follow Van Leer on social media    עקבו אחר אתר מכון ון ליר ברשתות החברתיות