



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

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