

Personalized Medicine:

Concepts, Promises, Successes and Challenges

An interdisciplinary workshop organized by the
Jacques Loeb Centre for the History and Philosophy of the Life Sciences
and
The National Institute for Biotechnology in the Negev (NIBN)

7 January 2019

Edgar de Picciotto Family National Institute for Biotechnology in the Negev Building (Bldg 41)
Ben-Gurion University of the Negev, Marcus Family Campus

Greetings and opening remarks – 9:15-9:30

Michal Shapira, Dean of the Natural Sciences, Ben-Gurion University of the Negev

Osnat Ohne, CEO, The National Institute for Biotechnology in the Negev

Ute Deichmann, Director, Jacques Loeb Centre for the History and Philosophy of the Life Sciences

Session I: 9.30 – 11:00

Moshe Elkabets

Ben-Gurion University of the Negev

**“The complexity of the cancer genome and the heterogeneity of tumor response to therapy:
Can we do a better-personalized medicine in oncology?”**

Frank Lyko

Deutsches Krebsforschungszentrum (German Cancer Research Center)

**“Two sides of the same coin: Epigenetic approaches in personalized medicine and precision
oncology”**



Coffee Break – 11:00-11:30

Session II: 11:30-13:15

Aaron Ciechanover

Technion-Israel Institute of Technology

“The revolution of personalized medicine: Can we cure all diseases and at what physical and ethical price?”

Eva Winkler

University of Heidelberg

“Ethical aspects and policy tensions in personalized medicine”

Lunch Break – 13:15-14:15

Session III: 14:15 – 16:00

Hans Lehrach

Max Planck Institute for Molecular Genetics

“Virtualized drug development for (truly) personalized drug therapy”

Roger Blumberg

Brown University

“The rhetoric of enhancement and the reality of technology: The case of personalized medicine”

Coffee Break – 16:00-16:20

Session IV: 16:20 – 17:40

Itzhak Avital

Soroka Comprehensive Cancer Center, Ben-Gurion University of the Negev

“Cancer stem cells and precision cancer care”

Michal Lotem

Hadassah Medical Center

“The limitless nature of cancer immunotherapy and the trap of imprecise response prediction”

Reception, musical interlude and dinner

(for speakers and invited guests)



Abstracts can be viewed at: <https://goo.gl/MyGJFB>