

# The Batsheva de Rothschild Workshop on "Avoiding the coming food security crisis: Novel solutions at the intersection of agriculture, environment and health"

## Scientific program

### Wednesday November 9

- 9:30-10:00 Opening remarks (Ayal Kimhi, Hebrew University)
- 10:00-12:00 Session 1: Food production (Chair: Ram Fishman, Tel-Aviv University)
- David Blakeslee, New York University, Abu Dhabi: Irrigation and the Spatial Pattern of Structural Transformation in India (with Aaditya Dar, Ram Fishman, Samreen Malik, Heitor Pelegrina and Karan Singh)
  - Iddo Kan, Hebrew University: Food Self-Sufficiency in Israel under Restricted Water and Land Resources (with Yehuda Slater, Israel Finkelshtain and Aron Troen)
  - Ayal Kimhi, Hebrew University: Resilience to Extreme Heat in Milk Production: Evidence from Israel (with Claire Palandri, Ram Fishman, Eyal Frank, Yaniv Lavon and Gabi Adin)
  - Michal Eliezer, Tel-Aviv University: The Effect of Training in Israel on Smallholder Farmers Productivity
- 12:00-13:30 Lunch and informal discussions
- 13:30-15:30 Session 2: Food security and the environment (Chair: Yael Kachel, Israeli Ministry of Agriculture and Rural Development)
- Ram Fishman, Tel-Aviv University: Does Drip Irrigation Reduce Water Usage? Experimental Evidence from India
  - Beáta Itin-Shwartz, Hebrew University: Balanced Fertilization and Limited Productivity: Evidence from Indian Plots
  - Yehuda Slater, Hebrew University: The Economic Cost of Wastewater Quality Standards (with Israel Finkelshtain, Ami Reznik and Iddo Kan)
  - Alon Shepon, Tel Aviv University and the Israeli Forum for Sustainable Nutrition: What Lessons Can an Agroecological, Self-Sufficient Farm in Northern Israel Teach Us About Food Security? (with Alik Pelman, Sigal Tepper, and Jerke de Vries)
- 15:30-16:00 Coffee break
- 16:00-18:00 Session 3: Food consumption and health (Chair: Israel Finkelshtain, Hebrew University)
- Jutta Roosen, Technical University of Munich: Better Food Choices for Health: The Results from an Online Experiment (with Herdis Agovi, Matthias Staudigel, Christina M. Neubig)
  - Adam Dvir, Hebrew University: How Nutritional Information in the Media Affects Food Demand? (with Betty Schwartz, Iddo Kan and Israel Finkelshtain)

# The Batsheva de Rothschild Workshop on "Avoiding the coming food security crisis: Novel solutions at the intersection of agriculture, environment and health"

- Eyal Ert, Hebrew University: Self-Reported vs. Actual Food Waste at the Household Level
- Tamar Makov, Ben-Gurion University: Digital Food Sharing and Food Insecurity in the Covid-19 Era

19:00-21:00 Dinner at Pop Up Café, Qiryat Anavim (speakers only)

## Thursday November 10

9:00-11:00 Session 4: Poverty, hunger, and nutritional insecurity (Chair: Ofir Rubin, Ben Gurion University)

- Rusty Tchernis, Georgia State University, IZA and NBER: A Flexible Model of Food Security: Estimation and Implications for Prediction (with Will Davis, Christian Gregory, and Jose Xilau)
- Naama Yaroslaviz Dgania, Ariel University: The Cost of a Healthy Food Basket for Families with Children in Israel (with Vered Kaufman Shriqi)
- Elliot Berry, Hebrew University: Promoting Resilience in Combatting Food Insecurity using the Sociotype Framework
- Rico Ihle, Wageningen University: Russia's Invasion of Ukraine Increased Synchronization of Global Commodity Prices (with Oleg Nivievskiy, Ziv Bar-Nahum and Ofir Rubin)

11:00-12:00 Poster session and informal discussions (Chair: Ziv Bar-Nahum, Israeli Ministry of Agriculture and Rural Development)

- Anton Fennec, Hebrew University: Not Entirely Unlike Fertilizers, Foliar Fungus *Pseudozyma aphidis* Promotes Plant Growth (with Gilli Breuer, Druv Aditya Srivastava, Neta Rotem and Maggie Levy)
- Rotem Zelingher, International Institute for Applied Systems Analysis (IIASA): Analysis and Forecast of the Global Price of Agricultural Commodities: A Comprehensive Integration of Interpretable Machine Learning and Econometric Approaches
- Eric Calloway, Gretchen Swanson Center for Nutrition: Final Outcomes of a Novel Food Insecurity Related Measurement Development Project (with Leah Carpenter, Tony Gargano, Julia Sharp, and Amy Yaroch)

12:00-13:00 Lunch

13:00-15:00 Session 5: Nutritional security, science and semantics (Chair: Aron Troen, Hebrew University)

- Martin Caraher, City, University London: Food Security: Are Food Charity and 'Corporate welfare' Schemes Undermining the Right Right to Food?
- Tadayoshi Masuda, Kindai University: Measuring Food Security in Japan: An Index of Dependence on Imports and Importing Country Risk

# The Batsheva de Rothschild Workshop on "Avoiding the coming food security crisis: Novel solutions at the intersection of agriculture, environment and health"

- Or Perets-Ohana, Ariel University: Experiences Knowledge, Attitudes, and Perceived Barriers Towards Food Insecurity Among Health Professionals (with Vered Kaufman Shriqi)
- Amy Yaroch, Gretchen Swanson Center for Nutrition: Policy and environmental approaches to improve health among low-income populations in the United States: Making the case for financial incentives

15:00-15:30 Coffee break

15:30-17:30 Session 6: Boserup vs. Malthus – What does the future hold? (Chair: Vered Kaufman Shriqi, Ariel University)

- Itzik Mizrahi, Ben Gurion University: Future Perspectives of Balancing Food Security and Environmental Impacts
- Gidon Eshel, Bard College: And Yet it Moves: Can Beef be Useful After All?
- Sigal Tepper, Tel Hai College: The Environmental Footprint Associated with Dietary Patterns in Israel (with Kerem Avital, Meidad Kissinger and Danit Shahar)
- Aron Troen, Hebrew University: Measuring Food Security today in order to Prepare for Future Crises

17:30-19:00 Policy roundtable (Chair: Nir Ohad, Tel-Aviv University)

- Ayal Kimhi, Hebrew University and Shores Institution for Socioeconomic Research
- Noga Kronfeld-Schor, Tel-Aviv University
- Alon Tal, Tel-Aviv University and Chair of Knesset Subcommittee for Environmental and Climate Impacts on Health
- Roni Strier, Haifa University and National Council of Food Security
- Ronit Endevelt, Haifa University and Israeli Ministry of Health
- Aeyal Gross, Tel-Aviv University

19:00-19:30 Workshop summary (Aron Troen, Hebrew University)

## Friday November 11

9:00-18:00 Field trip: Agricultural and environmental challenges of Israel

### The workshop is funded by:

- The Israeli Academy for Science and Humanities
- The Research Center for Agriculture, Environment and Natural Resources (Hebrew University)
- The Center for Agricultural Economic Research (Hebrew University)
- The Authority for Research and Development (Hebrew University)

# The Batsheva de Rothschild Workshop on "Avoiding the coming food security crisis: Novel solutions at the intersection of agriculture, environment and health"

## Participants

first name	last name	affiliation
Moran	Accos	Hebrew University
Ziv	Bar-Nahum	Ministry of Agriculture
Elliot	Berry	Hebrew University
David	Blakeslee	New York University - Abu Dhabi
Eric	Calloway	Gretchen Swanson Center for Nutrition
Martin	Caraher	City, University London
Adam	Dvir	Hebrew University
Michal	Eliezer	Tel-Aviv University
Ronit	Endevelt	Haifa University and Israeli Ministry of Health
Bernard	Epel	Tel-Aviv University
Eyal	Ert	Hebrew University
Gidon	Eshel	Bard College
Anton	Fennec	Hebrew University
Israel	Finkelshtain	Hebrew University
Ram	Fishman	Tel-Aviv University
Aeyal	Gross	Tel-Aviv University
Rico	Ihle	Wageningen University
Beáta	Itin-Shwartz	Hebrew University
Yael	Kachel	Ministry of Agriculture
Iddo	Kan	Hebrew University
Vered	Kaufman Shriqi	Ariel University
Ayal	Kimhi	Hebrew University
Noga	Kronfeld-Schor	Tel-Aviv University
Retsef	Levi	MIT
Tamar	Makov	Ben-Gurion University
Tadayoshi	Masuda	Kindai University
Itzik	Mizrahi	Ben-Gurion University
Mali	Nisnik	Tel-Aviv University
Nir	Ohad	Tel-Aviv University
Or	Perets-Ohana	Ariel University
Jutta	Roosen	Technical University of Munich
Ofir	Rubin	Ben-Gurion University
Alon	Shepon	Tel-Aviv University
Yehuda	Slater	Hebrew University
Emily	Soh	Hebrew University
Osnat	Steimatzky	Tel-Aviv University
Roni	Strier	Haifa University and National Nutritional Security Council
Alon	Tal	Tel Aviv University and Knesset Subcommittee for Environmental and Climate Impacts on Health
Rusty	Tchernis	Georgia State University
Sigal	Tepper	Tel Hai College
Aron	Troen	Hebrew University
Amy	Yaroch	Gretchen Swanson Center for Nutrition
Naama	Yaroslaviz Dgania	Ariel University
Rotem	Zelingher	IIASA