

TCCP

3rd annual conference



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לתכנית הכנס באתר המרכז להתמודדות
עם מגפות סרקו את הקוד

* לא ניתן לצפות בתכנים מדפדפן ספארי רק מוזילה או כרום

Tuesday, May 28, 2024 • The Steinhardt Museum of Natural History | Tel Aviv University

08:30-09:00 **Reception hall**, registration and coffee

09:00-09:10 **Auditorium**, Opening statements:

Prof. Dan Peer, TAU VP for R&D

Prof. Itai Benhar, Director of the TCCP

09:10-10:00 **Auditorium**, Plenary Lecture

Prof. Bruria Adini, Department of Emergency Management and Disaster Medicine, School of Public Health, Faculty of Medical and Health Sciences, Tel Aviv University
Beyond Fear: Navigating the Tides of Risk Perception in Israel During and After the COVID-19 Pandemic.

מעבר לחשש: הבנת מגמות תפיסת האימים של הציבור בישראל במהלך פנדמית הקורונה ולאחריה.

10:00-10:20 **Reception hall**, Coffee break

Session 1 • Host-pathogen interactions

Auditorium, Chair: **Prof. Itai Benhar**, Director of the TCCP, Shmunis School of Biomedicine and Cancer Research, Faculty of Life Sciences

10:20-10:50 **Prof. Dan Peer**, TAU VP R&D and the Faculty of Life Sciences

Design of Novel mRNA Vaccines: from Viruses to Bacteria.

10:50-11:20 **Dr. Yael Weiss-Ottolenghi**, The Sheba Pandemic Preparedness Research Institute (SPRI), Sheba Medical Center

SPRI - Navigating Future Pandemics with Enhanced Preparedness

11:20-11:50 **Dr. Yariv Wine**, Shmunis School of Biomedicine and Cancer Research, Faculty of Life Sciences

Harmonized Yet Distinct: The Dual Nature of Synchronized and Unique Immune Responses to mRNA-vaccine in Blood and Breast Milk

11:50-12:20 **Prof. Eran Bacharach**, Shmunis School of Biomedicine and Cancer Research, Faculty of Life Sciences

Discovery of emerging viruses in aquaculture

12:20-12:50 **Dana Pousty**, School of Mechanical Engineering, Faculty of Engineering
Considerations for Implementing UV Disinfection Technologies in Rural Areas, Uganda case study

Session 2 • Social aspects of Pandemics

Erdi Gallery (2nd floor) | Chair: **Prof. Miri Shefer Mossensohn**, Department of Middle Eastern and African History, Faculty of Humanities

10:20-10:50 **Dr. Lia Levin and Sharon Razon**, School of Social Work, Faculty of Social Sciences

Organizational and professional aspects of management in departments of social services during COVID-19

היבטים ארגוניים ומקצועיים של ניהול מחלקות לשירותים חברתיים בתקופת הקורונה

10:50-11:20 **Dr. Ofer Cornfeld**, Independent Researcher (guest at the School of Economics, Faculty of Social Sciences):

Econo-epidemic framework balances public health and economic impact in non-pharmaceutical interventions for pandemic response

11:20-11:50 **Dr. Efrat Herzberg Druker**, Department of Labor Studies, Faculty of Social Sciences:

Is the division of labor within couples stable or transitory? Lessons from two years of pandemic

11:50-12:20 **Dr. Chen Edelsburg**, Department of Literature & Women & Gender Studies, Faculty of Humanities

הדרך שבה אנחנו קוראים היום: השפעת מגפות על גישות פרשניות במדעי הרוח

12:20-12:50 **Prof. Miri Shefer Mossensohn and Maya Raanan**, Department of Middle Eastern and African History, Faculty of Humanities

Families and Coping Strategies with Epidemics in the Pre-Modern Muslim Middle East

משפחות והתמודדות עם מגיפות במזרח התיכון המוסלמי הטרם-מודרן

12:50-13:30 Lunch

Session 3 • Anti-pathogen preventive and treatment approaches

Auditorium, Chair: **Prof Udi Sommer**, School of Political Science, Government and International Relations, Faculty of Social Sciences

13:30-14:00 **Dr. Ines Zucker**, School of Mechanical Engineering and Porter School of the Environment and Earth, Faculty of Engineering

The Role of Tropospheric Ozone in Controlling the COVID-19 Outbreaks

14:00-14:30 **Tzachi Knaan**, School of Public Health, Faculty of Medical and Health Sciences

Aerobic Exercise - Why aren't we losing weight as might be expected?

14:30-15:00 **Prof. Lihi Adler Abramovich**, School of Dental Medicine, Faculty of Medical and Health Sciences

Antibacterial and Antibiofilm Activity of Self-Assembled Nanostructures

15:00-15:30 **Dr. Tzachi Hagai**, Shmunis School of Biomedicine and Cancer Research, Faculty of Life Sciences

Bat resistance and tolerance to infectious diseases

Session 4 • Assorted Pathogens

Erdi Gallery (2nd floor), Chair: **Dr. Natalia Freund**, Department of Clinical Microbiology and Immunology, Faculty of Medicine

13:30-14:00 **Prof. Marcelo Ehrlich**, Shmunis School of Biomedicine and Cancer Research, Faculty of Life Sciences

Antiviral defenses: a species-specific battleground in infection

14:00-14:30 **Prof. Dor Salomon**, Department of Clinical Microbiology and Immunology, School of Medicine, Faculty of Medical and Health Sciences

*The diverse toxin arsenal of the coral pathogen *Vibrio coralliilyticus**

14:30-15:00 **Prof. Vered Padler Karavani**, Shmunis School of Biomedicine and Cancer Research, Faculty of Life Sciences

Tick-borne red meat allergy

15:00-15:30 **Prof. Adi Stern**, Shmunis School of Biomedicine and Cancer Research, Faculty of Life Sciences

Dramatically different evolutionary outcomes during persistent SARS-CoV-2 infections

15:30-15:50 **Reception hall**, Coffee break

Session 5 • Students including recipients of TCCP scholarships

Auditorium | Chair: **Prof. Lihi Adler Abramovich**, School of Dental Medicine, Faculty of Medical and Health Sciences

15:50-16:00 **Ron Yefet** (Natalia Freund Lab), Department of Clinical Microbiology and Immunology, School of Medicine, Faculty of Medical and Health Sciences

Isolation of anti-poxvirus neutralizing mAbs from convalescent patients

16:00-16:10 **Francesca Netti** (Lihli Adler-Abramovich Lab), School of Dental Medicine, Faculty of Medical and Health Sciences

Developing antimicrobial 3D-printed scaffolds

16:10-16:20 **Rodolfo Katz** (Ella Sklan Lab), Department of Clinical Immunology and Microbiology, Faculty of Medical and Health Sciences

lncRNAs as potential biomarkers for prediction of severe dengue

16:20-16:30 **Katarzyna Kanarek** (Dor Salomon Lab), Department of Clinical Microbiology and Immunology, Faculty of Medical and Health Sciences

Determining the pathogenic potential of environmental vibrios in Israel

16:30-16:40 **Rottem Botton** (Eran Toch Lab), Department of Industrial Engineering, Faculty of Engineering

The Self-Quarantine Dilemma: How People Perceive the Justification of Quarantine during the COVID-19 Pandemic

דילמת הבידוד העצמי: כיצד אנשים תופסים את ההצדקה לבידוד במהלך מגיפת הקורונה

16:40-16:50 **David Taussig** (Yariv Wine Lab), Shmunis School of Biomedicine and Cancer Research, Faculty of Life Sciences

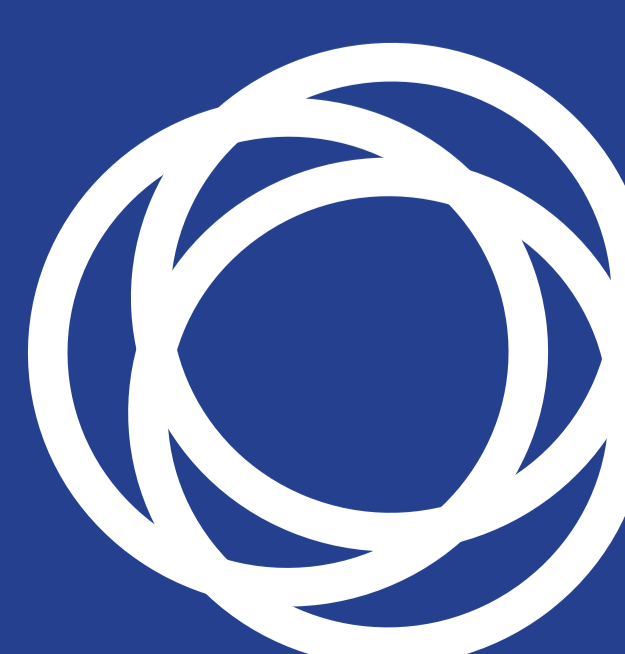
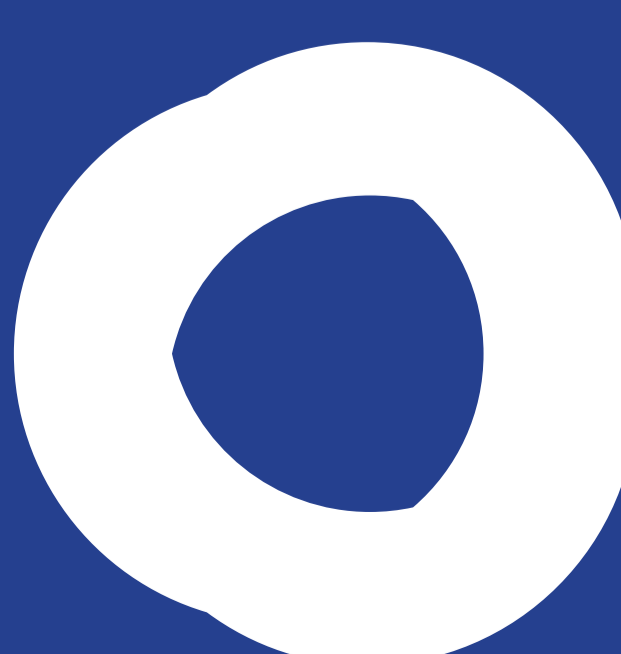
Enhancing monoclonal antibody discovery using deep sequencing and phage display towards the development of antibacterial antibodies

16:50-17:00 **Chiaretta Giordano** (Aeyal Gross group), The Buchmann Faculty of Law

Preserving Indigenous Food Resources: A Pathway to Public Health Protection

שמירה על משאבי המזון המסורתיים: מסלול להגנת בריאות הציבור

17:00-17:10 **Auditorium**, Closing remarks



The Center for
Combating Pandemics
Tel Aviv University