PARENTING AND ACADEMIA CONFERENCE

We are proud and thrilled to continue our very special tradition of commemorating the International Day of Women in Science at the Hebrew University. The goal of this day is to highlight the impressive achievements of our female researchers, achievements that are even more outstanding when the difficulties and obstacles they encountered in the past year are taken into account.

In conjunction with the academic units, we once again salute a group of female researchers from all the disciplines!

I hope that you will all continue to excel in your fields.

Congratulations to you, our 2022 outstanding female scientists.

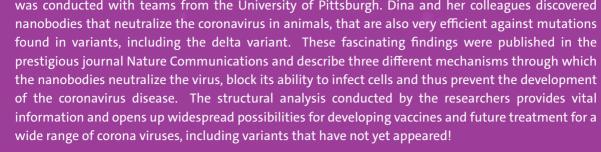
Professor Haya Lorberboum-Galski President's advisor on gender equity and advancement of women in science

School of Engineering and Computer Science

Dr. Dina Schneidman

For the past two years, Dina Schneidman has headed a series of research studies that enhance our understanding of SARS-CoV-2 and of potential ways to neutralize

and computational-structural biology. The research was part of an international collaboration and was conducted with teams from the University of Pittsburgh. Dina and her colleagues discovered



studies what people want to feel, and why and how a feeling can be harnessed for emotion is vital in decision-making processes, as well as in ethical and other cognitive processes. She

Professor Maya Tamir

Faculty of Social Sciences, Department of Psychology

also deals with questions regarding the essence of the distinction between emotion and cognition, especially in light of evidence that illustrates the extent to which emotions help and serve us cognitively. Maya recently ended a very successful term in office as head of the Department of Psychology, during which time she made an excellent contribution to the Department and Faculty. In addition, Maya was

Western and Jewish music and musical thought in these areas. She focuses on the role of music in shaping and reflecting processes and comprehensive cultural and political contexts. Ruth deals extensively with the contribution that music makes to the history of

Professor Ruth HaCohen

Faculty of Humanities, Department of Musicology

emotions, questions of music and religion, society and politics, and Jewish music.

the Jews. Ruth HaCohen-Pinczower serves as a role model for academic leadership and social activism. She is the Artur Rubinstein Professor of Musicology and has been a director at the Israel National Library since 2018, and a member of the Van Leer Jerusalem's board of trustees since 2016. HaCohen-Pinczower is the recipient of Rothschild Prize in the Humanities, for 2022. In 2017 she was

She was awarded the Kinkeldey Prize by the American Musicological Society and the Polonsky Prize for Creativity and Originality in the Humanistic Disciplines for her major work, The Music Libel Against

elected as honorary member by the American Musicological Society "for outstanding contributions to the advancement of scholarship in music."

Dr. Rana Eseed

in the behaviors of delinquent youth, among mothers of infants, in the therapeutic setting of social workers and their clients etc. Rana's studies have been published in the most

prestigious journals for social work and social policy. Rana is also conducting historical studies about

state throughout the past and in the present.

School of Social Work and Social Welfare

Alongside her studies and academic work, Rana is also very involved in making higher education more accessible for minority populations in general, and for the Palestinian population in particular. During her undergraduate studies, Rana headed the Unit for Equal Opportunities for Arab Students at the Hebrew University. She continues to promote this issue, both as part of her social activism, and also recently as part of her research. Rana is a new researcher who has only recently joined the faculty after she returned from post-doctoral studies abroad, where she was alone with her young son. Like all other young mothers,

Professor Keren Weinshall **Faculty of Law**

the activities of legal institutions. Her studies have been published in leading legal journals, including



The Faculty of Agriculture, Food and Environment,

School of Veterinary Medicine

Dr. Katy Margulis

Faculty of Medicine, School of Pharmacology

Professor Keren Weinshall is a young, innovative, creative and multi-disciplinary researcher who has made a name for herself in Israel and internationally. She uses sophisticated empirical methodologies to investigate judicial decisions as well as

Dr. Neta Schlesinger

ago. She studies fungal pathogenesis and is promoting an inter-disciplinary study that focuses on the mutual relationship between fungal pathogens and the immune system and deciphering the immune mechanisms; one the one hand she examines how a fungal pathogen is able to overcome the immune system and cause infectious diseases, and conversely, she examines how the immune system identifies and protects itself from the fungal pathogen. Neta's list of publications is exceptional, including an article published in Science based on her post-doctoral studies, and one in Microbial Cell based on her doctoral studies). During her

Neta is a junior researcher who joined the School of Veterinary Medicine two years

time, she has set up a unique course in flow analysis for graduate students.

Katy is a pharmacist and chemist who conducts groundbreaking research into drug imaging in tissue. She began her academic career at the Hebrew University of Jerusalem, and continued her doctoral studies at the Casali Institute for Applied Chemistry at Givat Ram. During her doctoral studies, Katy developed a method that converts insoluble substances to nano-molecules that are easily distributed in an aqueous environment. As part of her post-doctoral studies at Stanford University, she developed unique imaging methods and used them to investigate physiological processes in living tissue to identify pathological changes in the tissue and to develop new goals for drug treatment. Katy now incorporates these methods in

her laboratory and develops logical ways of drug delivery by measuring drug distribution in tissue,

When Katy joined the Hebrew University, she set up the University Center for Metabolism that is used

monitoring their metabolism and mapping physiological changes that occur in this treatment.

through communication among a large number of brain parts. planning, regulating, learning and timing of voluntary movement. She tries to understand what brain stimulation may be given for brain injury. Her studies have been published in the most prestigious journals in recent years and she has been promoted to the rank of full professor. Yifat is also a member of important university committees.

she incorporates theoretical and experimental approaches. In one of her chief areas of interest, she

Professor Nathaly Kravchenko-Balasha

Professor Nathaly Kravchenko-Balasha is a distinguished researcher who joined the Institute of Biomedical Research of the Faculty of Dental Medicine six years ago. Since joining the university, she has set up a group of leading researchers, has

Professor Nathalie Balaban The Faculty of Mathematics and Sciences,

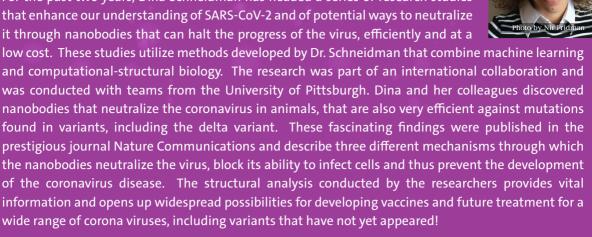
The Racah Institute of Physics

Professor Balaban's groundbreaking studies have been published in top scientific journals. She has been awarded competitive prizes and research grants (including two European Research Council grants). She is considered a central figure in the international biophysics

School of Education

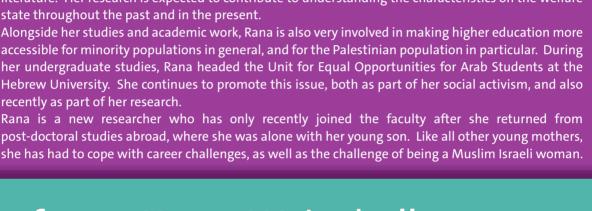
social change. Using qualitative and comparative research methods, she focuses on women who are active in promoting the status of women in varied traditional and religious societies (religious, In addition, Tanya studies education for gender equality and female activism against racism in Israel. Her research has been published in leading journals, including an article that was awarded a prize by the Israeli Sociological Society. Tanya completed her PhD on the struggle against aguna (get refusal) in

Israel at Bar-Ilan's Gender Studies program. She continued her post-doctoral studies at Princeton University in the United States and at the Ben-Gurion Research Institute for the Study of Israel and Zionism at Ben-Gurion University of the Negev, supported by a number of prestigious research grants: The Rothschild (Yad Hanadiv) Foundation, the Israel Science Foundation (ISF), Kreitman fellowship and













demonstrates how planning and execution of motor actions are designed

Safra Center for Brain Sciences

Professor Yifat Prut

by many research units.

examines molecular differences among cancer patients, or among different cells, and "translates" this difference into quantitative parameters that enable researchers to predict cell reaction to different treatments, and thus to plan personalized drug therapy. Professor Nathaly Kravchenko-Balasha and her team successfully implemented this approach in treating several kinds of cancer, including melanoma, lung, breast and oral cancer. This achievement evoked much interest and led to the founding of the MEDPNC company. Nature Research recently examined innovative companies that developed in academic research and selected MEDPNC as one of the 40 "one to watch" most innovative companies.

been awarded research grants and many competitive prizes. Nathaly focuses on cancer research, and

Professor Balaban is one of the outstanding biophysicists in the world. In her research, she identifies important problems in biological systems in which the physics approach brings an additional value, she develops experimental systems for precise quantitative measuring, and she applies diverse and efficient physical and mathematical analytical methods. Using this approach, Professor Balaban has repeatedly surprised the scientific community by showing that the complex behavior of biological systems (in this case viruses) often stems from mechanisms with limited parameters that can be described with nonlinear mathematical equations, and that they even display behaviors typical of complex physical systems.

the Israel Institute. Tanya is a mother of four and lives in the Negev.

research, education and academic management.

community.





