

The 2018 Amos de-Shalit Ulpana for Life Science and Medicine

Coordinators: [Prof. Benny Shilo](#) – *Department of Molecular Genetics*

[Dr. Einat Segev](#) - *Department of Plant and Environmental Sciences*

Sunday, September 2, 2018

Location: [Gerhard M.J. Schmidt Lecture Hall](#)

09:45-10:25² Arrival and registration

10:25-10:30² [Prof. Irit Sagi](#) – *Dean, Feinberg Graduate School and Member, Department of Biological Regulation*

Welcoming remarks

10:30-10:45² [Prof. Benny Shilo](#) – *Department of Molecular Genetics*

General comments

10:45-10:55² [Prof. \(Emeritus\) Uzy Smilansky](#) - *Department of Physics of Complex Systems*

Welcoming remarks

10:55-11:40² [Prof. Michal Neeman](#) – *Department of Biological Regulation*

Introducing the Weizmann Institute

11:40-12:30² Lunch, at the San Martin Faculty Club House

12:30-14:00² Room assignment and freshening up

Location: [Martha, Bram, Michael and Phillipe Laub International Science Youth Village](#) Location: _

Location of lectures: unless otherwise specified, lectures will be held at the [Koshland Aquarium, the Arthur and Rochelle Belfer Building for Biomedical Research](#)

14:00-14:30 Introduction

14:30-15:30 [Dr. Meital Oren-Suissa](#), *Department of Neurobiology*

"The synaptic basis of sexually dimorphic behaviors"

15:30-16:00 Coffee Break

16:00-17:00 [Prof. Benny Shilo](#), *Department of Molecular Genetics*

"The science and art of embryo creation"

¹ This activity will be held at the [Octav Bundorf Botnar Auditorium, Arthur and Rochelle Belfer Building for Biomedical Research](#)

² Jointly with the other Ulpanot.

17:00-18:00 **Dr. Tamir Klein**, *Department of Plant and Environmental Sciences*

"The Weizmann Tree Lab: Tree eco-physiology in motion"

18:10 Tour of Yad Weizmann and visit of the Weizmann House

Meeting point: [Memorial Plaza](#) (כיכר הזיכרון)

18:45-19:30² **Dr. Ofer Firstenberg** – *Department of Physics of Complex Systems*

"Crystalized Light"

Followed by dinner at the [Weizmann House](#)

Monday, September 3, 2018

09:00-10:30 Lab visits

10:30-11:30 **Dr. Neta Regev-Rudski**, *Department of Biomolecular Sciences*

"Malaria Parasite Networking"

11:30-12:00 Coffee break and group photo

12:00-13:00 **Dr. Einat Segev**, *Department of Plant and Environmental Sciences*

"Bacteria and Climate Change"

13:00-14:00 Lunch and leisure at the Institute restaurants with vouchers

14:00-15:00 Sandbox visit

15:00-16:00 **Dr. Kobi Abramson**, *Department of Immunology*

"How does the immune system learn to tell a friend from a foe?"

16:00-16:30 Coffee break

16:30-17:30 **Dr. Ravid Straussman**, *Department of Molecular Cell Biology*

"The tumor microbiome"

17:30-18:30 Preparation of Journal Club

18:30-19:15¹ **Prof. Irit Sagi** – *Dean, Feinberg Graduate School and Member, Department of Biological Regulation*

"Thinking outside the cell"

19:30² Dinner at [Charlie's Place Restaurant](#)

Followed by meeting with Weizmann students (M.Sc. and Ph.D. students):

Or Eliason – *Department of Plant and Environmental Sciences*

¹ This activity will be held at the [Octav Bundorf Botnar Auditorium, Arthur and Rochelle Belfer Building for Biomedical Research](#)

² Jointly with the other Ulpanot.

Idan Adir- *Department of Biological Regulation*

Gal Shapira- *Department of Molecular Cell Biology*

Tamar Gross- *Department of Biological Regulation*

Tuesday, September 4, 2018

- 09:00-10:30 Lab visits
- 10:30-11:30 **Prof. Maya Schuldiner**, *Department of Molecular Genetics*
"Protein detectives - using systematic approaches to decipher protein functions"
- 11:30-12:00 Coffee break
- 12:00-13:00 **Dr. Sarel Fleishman**, *Department of Biomolecular Sciences*
"Computational design of new enzymes, antibodies, and vaccines"
- 13:00-14:00 Lunch and leisure at the Institute restaurants with vouchers
- 14:00-15:00 Preparation of Journal Club
- 15:00-16:00 **Dr. Ruthie Scherz-Shouval**, *Department of Biomolecular Sciences*
"Transcriptional rewiring in the tumor microenvironment"
- 16:00-16:30 Coffee break
- 16:30-17:30 **Dr. Bracha Halaf**, *Chief Scientist at the Ministry of Energy*
"Weizmann Institute as a platform for success outside of academia"
- 17:30-18:30 MSc mock interview
- 18:30-19:15¹ **Prof. Samuel Safran**, *Dept. of Materials and Interfaces*
"Physical dynamics of biological cells"
- 19:30² Dinner at Café Mada
- 20:30 Discussion on career choices (Dr. Ravid Straussman, Prof. Maya Schuldiner, Dr. Einat Segev, Prof. Benny Shilo). Location: Koshland room

Wednesday, September 5, 2018

- 09:00-11:00 Lab visits
- 11:00-12:00¹ **Prof. Irit Sagi** – *Dean, Feinberg Graduate School and Member, Department of Biological*

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² Jointly with the other Ulpanot.

Regulation

Meeting with the Dean of the Feinberg Graduate School

- 12:00-13:00 Journal Club lab interview
- 13:00-14:00 Lunch and leisure at the Institute restaurants with vouchers
- 14:00-16:00 EM visit
- 16:00-17:00 [Dr. Michal Rivlin](#), *Department of Neurobiology*
"Retinal computations: recalculating"
- 17:00-17:30 Coffee break
- 17:30-18:30 [Prof. Rotem Sorek](#), *Department of Molecular Genetics*
"The immune system of bacteria"
- 18:30-19:15 [Prof. Amos Tanay](#), *Department of Computer Science and Applied Mathematics*
"Too little or too much information? Data science in medicine and biology"
- 19:30² Dinner on the front deck of the [Feinberg Graduate School](#)

Thursday, September 6, 2018

- 09:00-10:30 Lab visits
- 10:30-11:30 [Dr. Roi Avraham](#), *Department of Biological Regulation*
"Characterizing host-pathogen crosstalk at early stages of infection"
- 11:30-12:00 Coffee break
- 12:00-13:00 [Dr. Efrat Shema](#), *Department of Biological Regulation*
"Revealing the Epigenetic Regulatory Network in Health and Disease"
- 13:00-14:00 Lunch and leisure at the Institute restaurants with vouchers
- 14:00-16:00 Journal club presentation
- 16:00-16:30 Coffee break
- 16:30-17:00 Toast and summary

Optional activities:

- 17:00-22:00 [European Researchers' Night](#)
- 19:00 [WIS Student Day](#)

¹ This activity will be held at the [Octav Bundorf Botnar Auditorium, Arthur and Rochelle Belfer Building for Biomedical Research](#)

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