

## INVITATION

The German-Israeli Cooperation in Cancer Research founded in 1976 is one of the longest lasting scientific cooperations between these countries. To date, more than 200 joint projects have been funded. Importantly, this program has also strongly fostered friendship between scientists from Germany and Israel and other involved partners ([www.dkfz.de/israel](http://www.dkfz.de/israel)).

Established in 2008, the aim of the German-Israeli Cancer Research School is to provide a platform for intensive interaction on essential and emerging areas of cancer research between students, young researchers and principal investigators based in both countries.

The 11<sup>th</sup> German-Israeli Cancer Research School in March 2023 is dedicated to cancer and metabolism. International experts in this field will discuss the relevance of metabolism as a basis for disease-relevant phenomena such as metabolic reprogramming and rewiring as well as signaling of dietary metabolites influencing cancer initiation, progression and drug resistance.

The format of the Winter School 2023 will include lectures by colleagues from all over Europe and Israel. The participants will give flash talks and present their research projects in poster sessions. The best poster presentations will be awarded. There will be time for skiing or other winter sports in the area surrounding the conference venue.

Participation is restricted to 24 students who will be selected by the Joint Scientific Committee.

There will be no registration fee; accommodation and meals are covered by the organizers. Sports are at own expenses.

For application see [www.dkfz.de/en/israel/school-2023/school-2023.html](http://www.dkfz.de/en/israel/school-2023/school-2023.html). An application should include the application form, Poster abstract, and CV.

In Germany please submit to Lena Fuchs at [l.fuchs@dkfz.de](mailto:l.fuchs@dkfz.de), and in Israel to [Glschool@most.gov.il](mailto:Glschool@most.gov.il).

Final submission date: September 28th, 2022.

With kind regards,

Peter Angel

Sharon Yagur-Kroll

## ORGANIZERS

### Scientific Program Committee

DKFZ: Prof. Dr. Aurelio Teleman

Israel: Prof. Dr. Ayelet Erez

### German-Israeli Cooperation in Cancer Research

DKFZ: Prof. Dr. Peter Angel

Israel: Dr. Sharon Yagur-Kroll

### Administrative Coordinators

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### Venue

Hotel am Badersee,

Grainau (near Garmisch-Partenkirchen), Germany

[www.hotelambadersee.de](http://www.hotelambadersee.de)



משרד החדשנות,  
המדע והטכנולוגיה  
Ministry of Innovation, Science & Technology



dkfz.  
GERMAN  
CANCER RESEARCH CENTER  
IN THE HELMHOFF ASSOCIATION  
Research for a Life without Cancer

11<sup>th</sup> German-Israeli Cancer Research School

**CANCER AND METABOLISM**

Grainau, Germany, March 26 – 29, 2023

## SUNDAY, MARCH 26, 2023

- 13:00 Welcome and Introduction  
[Sharon Yagur-Kroll](#), MOST, Jerusalem, IL  
[Peter Angel](#), DKFZ, Heidelberg, DE
- [Varda Rotter](#), Weizmann Institute, Rehovot, IL  
 Fifteen years of German-Israeli Summer/Winter School in Cancer Research
- [Ayelet Erez](#), Weizmann Institute, Rehovot, IL  
[Aurelio Teleman](#), DKFZ, Heidelberg, DE
- 13:30 [Oliver Maddocks](#), University of Glasgow, Glasgow, UK  
 Cancer specific amino acid metabolism
- 13:55 [Yoav Shaul](#), Hebrew University, Jerusalem, IL  
 How does knockout of the pro-survival FH enzyme eventually support proliferation?
- 14:20 [Christian Frezza](#), University of Cologne, Cologne, DE  
 The chronology of fumarate hydratase loss
- 14:45 Coffee Break
- 15:15 [Flash Talks \(Group 1\)](#)
- 16:15 [Poster Session \(Group 1\)](#)
- 17:30 [Yifat Merbl](#), Weizmann Institute, Rehovot, IL  
 Global views of degradation in cancer
- 17:55 [Guoliang Cui](#), DKFZ, Heidelberg, DE  
 Mechanisms of T cell exhaustion
- 18:20 [Osnat Ashur-Fabian](#), Tel Aviv University, Tel Aviv, IL  
 The oncofetal enzyme DIO3: a new player in cancer metabolism
- 19:00 [Flash Talks \(group 2\)](#)
- 20:00 Dinner at the Hotel

## MONDAY, MARCH 27, 2023

- 08:30 [Ayelet Erez](#), Weizmann Institute, Rehovot, IL  
 Understanding catabolism to improve cancer diagnosis and therapy
- 08:55 [Mathias Heikenwalder](#), DKFZ, Heidelberg, DE  
 Metabolic catastrophe in the liver: how chronic inflammation in the liver reprograms hepatic metabolism towards NASH and HCC
- 09:20 Coffee Break
- 09:30 [Poster Session \(Group 2\)](#)
- 10:30 [Flash Talks \(Group 3\)](#)
- 11:30 [Tomer Shlomi](#), Technion, Haifa, IL  
 Targeting one-carbon metabolism in cancer
- 11:55 [Constantino Demetriades](#), Max Planck-Institute for Biology of Ageing, Cologne, DE  
 Nutrient sensing and mTOR signaling at the intersection of metabolism and cancer
- 12:20 Lunch
- Free time for skiing/winter sports
- 19:30 "HuttENZAUBER"  
 Dinner in a traditional Bavarian mountain lodge

## TUESDAY, MARCH 28, 2023

- 08:30 [Aurelio Teleman](#), DKFZ, Heidelberg, DE  
 Regulation of signaling and physiology via a dietary metabolite
- 08:55 [Efrat Shema](#), Weizmann Institute, Rehovot, IL  
 Single-molecule and single-cell epigenetics: Decoding the epigenome for cancer research and diagnostics
- 09:20 [Mariia Yuneva](#), The Francis Crick Institute, London, UK  
 Dissecting tumour heterogeneity and identifying metabolic flexibilities and vulnerabilities of tumours
- 09:45 Coffee Break
- 10:00 [Poster Session \(Group 3\)](#)
- 11:00 [Dan Levy](#), Ben-Gurion University of the Negev, Beer-Sheva, IL  
 Lysine methylation signaling at chromatin in cancer
- 11:25 [Almut Schulze](#), DKFZ, Heidelberg, DE  
 Targeting metabolic reprogramming in cancer
- 11:50 [Gad Asher](#), Weizmann Institute, Rehovot, IL  
 The interplay between circadian clocks and oxygen metabolism
- 12:15 Lunch
- Free time for skiing/winter sports
- 19:00 [Sarah-Maria Fendt](#), VIB-KU Center for Cancer Biology, Leuven, BE  
 Metabolic rewiring driving metastasis formation
- 19:25 [Yara Oren](#), Tel Aviv University, Tel Aviv, IL  
 Beyond Darwin: understanding cancer persister cells
- 20:00 Dinner at the Hotel  
[Poster Awards](#)