

## 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 180 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 9<sup>th</sup> German-Israeli Cancer Research School in March 2018 is dedicated to cancer stem cells and intra-tumor heterogeneity. International experts in this field will discuss the relevance of cellular hierarchies and molecular heterogeneity as a basis for disease-relevant phenomena such as the evolution of cancer, targeted therapy, metastases as well as disease relapse and drug resistance.

The format of the Winter School 2018 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. There will be awards for the best poster presentations. There will also 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-2018/school-2018.html](http://www.dkfz.de/en/israel/school-2018/school-2018.html). Please, send the application form together with a poster abstract. In Germany please submit to Susanne Schunk ([susanne.schunk@dkfz.de](mailto:susanne.schunk@dkfz.de)), and in Israel to Shani Edri ([shanie@most.gov.il](mailto:shanie@most.gov.il)) by November 24<sup>th</sup>, 2017.

With kind regards,

Peter Angel

Hagit Schwimmer

## ORGANIZERS

### Scientific Program Committee

DKFZ: Prof. Dr. Andreas Trumpp, Dr. Michael Milsom  
Israel: Prof. Dr. Ido Amit, Prof. Dr. Varda Rotter

### German-Israeli Cooperation in Cancer Research

DKFZ: Prof. Dr. Peter Angel  
Israel: Dr. Hagit Schwimmer

### Administrative Coordinator

Susanne Schunk

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### Venue

Hotel am Badersee,  
Grainau (near Garmisch-Partenkirchen), Germany  
[www.hotelambadersee.de](http://www.hotelambadersee.de)



**dkfz.**  
GERMAN  
CANCER RESEARCH CENTER  
IN THE HELMHOLTZ ASSOCIATION

Research for a Life without Cancer



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

**CANCER STEM CELLS AND  
TUMOR HETEROGENEITY**

Grainau, Germany | March 4 – 7, 2018

SUNDAY, MARCH 4, 2018

- 13:00 Welcome and Introduction  
**Hagit Schwimmer**, MOST, Jerusalem  
**Varda Rotter**, Weizmann Institute, Rehovot  
**Peter Angel**, DKFZ, Heidelberg
- 13:30 **Marc van de Wetering**, Princess Máxima Center for pediatric oncology, Utrecht  
 Modelling cancer in organoids
- 14:00 **Steve Pollard**, Edinburgh Cancer Research Centre  
 Regulation and deregulation of neural stem cell self-renewal in brain cancer
- 14:30 **Michele De Palma**, École polytechnique fédérale de Lausanne  
 Reprogramming the tumor microenvironment for enhancing anti-cancer therapy
- 15:00 *Coffee Break*
- 15:30 *Flash Talks (group 1)*
- 16:30 *Poster Session (group 1)*
- 17:30 **Jan Korbel**, EMBL, Heidelberg  
 Novel insights into cancer through global sharing of tumour genomes
- 18:00 **Marco Gerlinger**, The Institute for Cancer Research, London  
 Patterns and dynamics of genetic intratumour heterogeneity
- 18:30 **Elli Papaemmanuil**, Memorial Sloan Kettering Cancer Center, New York  
 Understanding clonal phylogenies
- 19:30 *Dinner at the Hotel*
- 21:00 *Flash Talks (group 2)*

MONDAY, MARCH 5, 2018

- 08:30 **Allison Bardin**, Institut Curie, Paris  
 Genome heterogeneity in adult stem cells
- 09:00 **Michael Milsom**, DKFZ, Heidelberg  
 Stem cells, ageing and cancer
- 09:30 *Flash Talks (group 3)*
- 10:30 *Poster Session (groups 2 + 3)*
- 10:30 *Coffee Break*
- 11:30 **Salvador Aznar Benitah**, Institute for Research in Biomedicine, Barcelona  
 Stem cell function: interplay between time, diet and epigenetics
- 12:00 **Caroline Dive**, Cancer Research UK, Manchester Institute  
 Liquid biopsy in cancer patient management, current utility and a look to the future
- 12:30 *Lunch*
- 13:30 *Free time for skiing/winter sports*
- 19:30 *“Hüttenzauber”:  
 Dinner in a traditional Bavarian mountain lodge*

TUESDAY, MARCH 6, 2018

- 08:30 **Tariq Enver**, University College London  
 Origin and evolution and treatment resistance of childhood leukemia
- 09:00 **Elisa Laurenti**, University of Cambridge  
 Functional and molecular heterogeneity within the human haematopoietic stem cell compartment
- 09:30 **Andreas Trumpp**, DKFZ, Heidelberg  
 Stem Cell Dormancy and Metabolic Control of Leukemic Stem Cells
- 10:00 *Coffee Break*
- 11:00 **Ido Amit**, Weizmann Institute, Rehovot  
 The power of ONE: Immunology in the age of single cell genomics
- 11:30 **Sergio Quezada**, University College London  
 Deciphering the immune and antigenic landscape within tumours
- 12:00 **Ayelet Erez**, Weizmann Institute, Rehovot  
 Metabolic induction of mutagenesis in cancer via amino-acid metabolism
- 12:30 *Lunch*
- 13:30 *Free time for skiing/winter sports*
- 19:00 **Gioacchino Natoli**, FOM-IEO, Milan  
 Transcriptional control of differentiation in human pancreatic cancer
- 19:30 **Ofer Mandelboim**, Hebrew University, Jerusalem  
 Human NK cells remember first pregnancy and better support subsequent pregnancies
- 20:00 *Dinner at the Hotel*  
*Poster Awards*