

INVITATION

The German-Israeli Cooperation in Cancer Research was founded in 1976 and is the longest lasting scientific cooperation between Germany and Israel. To date 159 projects have been funded. Beyond this, the cooperation has led to friendships between scientists of both countries and other partners (www.dkfz.de/israel).

In 2013, the 6th German-Israeli Cancer Research School will take place in the Negev Desert in Israel. The focus will be on mouse models of human cancer. Prominent Israeli and German scientists will present their latest advances in cancer research.

Advanced preclinical tumor models have emerged as a critical bottleneck for both, the advancement of basic tumor biology and for translational research. Aimed at overcoming this bottleneck, the speakers will highlight recent developments in the field of mouse cancer models that better mimic the pathogenesis, the course and the response to therapy of human tumors.

The format of the school will include lectures in the morning and the late afternoon, framed by social activities. During the poster sessions, the participants are expected to give short presentations, highlighting their research projects. The best three posters will be awarded.

The 6th German-Israeli Cancer Research School is supported by the Joint Scientific Program Committee of the Cooperation and is jointly organized by Prof. Hellmut Augustin and Prof. Eli Pikarsky. The aim of this school is to offer a platform for intense interactions between PhD students, young postdocs and principal investigators of the program from both, Israel and Germany.

In 2008, the first school was held in Pichl (Austria) and was such a great success that immediately afterwards the PhD students requested the school to be held every year, alternating between Pichl and Israel. This year, we come up with an ambitious program which will hopefully enhance the exchange between young investigators and senior scientists from both countries. We look forward to your application!

Peter Angel

Ahmi Ben-Yehudah

ORGANIZERS

Scientific Program Committee

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Israel: Prof. Dr. Eli Pikarsky, Prof. Dr. Varda Rotter

German-Israeli Cooperation in Cancer Research

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In cooperation with



HELMHOLTZ ALLIANCE
PRECLINICAL COMPREHENSIVE CANCER CENTER



Ministry of Science,
Technology and Space

dkfz.

GERMAN
CANCER RESEARCH CENTER
IN THE HELMHOLTZ ASSOCIATION



6th German-Israeli Cancer Research School
Mouse Models of Human Cancer

November 9th – 13th, 2013, Negev Desert/Israel
Club Ramon Hotel, Mitzpe Ramon

Saturday, November 9th, 2013

Arrival in the afternoon

19:00 Dinner

Sunday, November 10th, 2013

08:00 Breakfast

10:00 Welcome addresses

Ilana Lowi, MOST, Jerusalem

Otmar D. Wiestler, DKFZ, Heidelberg

Ahmi Ben-Yehudah, MOST, Jerusalem

Peter Angel, DKFZ, Heidelberg

MODELS OF HUMAN CANCER

11:00 **Hai-Kun Liu**, DKFZ, Heidelberg

Mouse models of high-grade brain tumors and their preclinical applications

11:45 **Dieter Saur**, Technical University, Munich

Dual recombination systems for time and host specific genetic manipulation of gastrointestinal cancer

12:30 **Sami Stalin**, Ben-Gurion University of the Negev, Beer-Sheva

The detrimental effects of microenvironment-derived IL-1 for the development of gastrointestinal tract tumors

12:50 **Hanna Bergmann**, Technical University Munich

Card9 signaling in the innate immune system drives carcinogenesis in the colon under inflammatory conditions

13:10 Lunch

14:00 Small group work I

HEMATOLOGICAL MALIGNANCIES

16:30 **Hans-Reimer Rodewald**, DKFZ, Heidelberg

Progenitor-deprivation driven T cell leukemia in mice

17:15 **Ayelet Jerafi Vider**, Weizmann Inst. of Science, Rehovot

A new role for p53 and the $\Delta 113$ p53 isoform in lymphatic formation

NOVEL TECHNOLOGIES

17:45 **Shalev Itzkovitz**, Weizmann Inst. of Science, Rehovot
Single molecule approaches for studying gene expression in intact mammalian tissues

18:20 **Amit Benbenishty**, Tel Aviv University
Introducing a novel intra-carotid artery inoculation method: advantages for studying brain metastasis

19:00 Safari ride to Bedouin camp, BBQ dinner

Monday, November 11th, 2013

06:00 Early morning tour along the statue promenade, with sunrise view

07:45 Breakfast

08:30 Small group work II

AGEING, STEM CELLS AND CANCER

11:00 **Haim Cohen**, Bar Ilan-University, Ramat Gan
The tumorigenesis aspect of mouse models of longevity

11:45 **Chul Min Yang**, Georg-Speyer-Haus, Frankfurt
Reprogramming of tumor cells: Signaling events and phenotypes

12:05 **Varda Rotter**, Weizmann Institute of Science, Rehovot
The role of p53 in the stem cell cancer stem cell loop

12:50 Lunch

14:00 Poster session and discussion

16:00 Presentation of small group work

17:00 Sunset tour by foot along the cliff of the crater

18:30 Dinner

20:00 **Uri Alon**, Weizmann Institute of Science, Rehovot
Love and fear in the lab: a guitar talk on the emotional and subjective aspects of doing science

Tuesday, November 12th, 2013

08:00 Breakfast

HEMATOLOGICAL MALIGNANCIES

09:30 **Klaus Rajewsky**, MDC Berlin
Autonomy and context dependence of B cell lymphomagenesis

TUMOR MICROENVIRONMENT AND INFLAMMATION

10:15 **Neta Erez**, Tel Aviv University, Tel Aviv
Co-evolution of the tumor microenvironment during cancer progression and metastases

11:00 **Hellmut Augustin**, DKFZ, Heidelberg
Animal models of tumor angiogenesis: Challenges and bottlenecks

11:45 **Alexander Bott**, DKFZ, Heidelberg
MicroRNAs control the pro-angiogenic switch in MSC by regulating TGF β and TNF α signaling pathways

12:05 **Karina Yaniv**, Weizmann Inst. of Science, Rehovot
Elucidating the role of ApoB-containing lipoproteins in tumor related angiogenesis and metastasis

12:50 Lunch

14:00 **Mathias Heikenwälder**, Inst. of Virology, TU Munich
Mouse models for liver cancer – only models or more?

14:45 **Polina Weitzenfeld**, Tel Aviv University
Ménage-a-trois between the inflammatory, hormonal and growth-supporting arms of the tumor micro-environment potentiates metastasis formation in breast cancer

15:05 **Eli Pikarsky**, Hebrew University, Jerusalem
Hepatocellular carcinoma: Linking inflammation and cancer

15:50 **Dharanija Madhavan**, DKFZ, Heidelberg
Circulating microRNAs as surrogate marker for circulating tumor cells and prognostic markers in metastatic breast cancer

16:10 **Yinon Ben-Neriah**, Hebrew University, Jerusalem
At the crossroad of senescence, inflammation and cancer

16:55 **Manuel Röhrich**, DKFZ, Heidelberg
Triple therapy of radiation and combined integrin and EGFR blockade in an orthotopic glioblastoma model

17:15 **Yuval Shaked**, Technion, Haifa
Studying host response to anti-cancer therapy in different animal models of cancer

18:00 Plenary discussion

19:00 Dinner