Focus and Goals: Cancers are, in essence, products of organ and tissue development gone wrong. In fact, many critical cellular and organ-based operations from genome integrity, the behavior of one’s own microbiome, oxygen utilization and cell metabolism, orderly tissue and organ anatomy, disciplined cell behavior, and the immune response may become disordered in the interest of tumor development. In this year’s Symposium, the focus will be on the newest insights into the processes that give rise to cancer tissue and its persistence. Also included will be recent findings that have the potential to influence clinical cancer therapeutics in novel ways.

Posters
We encourage poster presentation. To submit a poster send a one page abstract to the Pezcoller Foundation (pezcoller@pezcoller.it) by May 13th. The 3 best posters will be selected for the Begnadelli Awards. Poster presenters are invited to prepare a short power-point presentation in case of award. Poster maximum size: m 1,00 width – m 1,00 height

The Pezcoller Symposium
CANCER AS A CORRUPTED TISSUE
Trento, Italy
June 17-18, 2019

Head of Scientific Committee:
David M. Livingston
Chairpersons:
Alberto Bardelli, Cathrin Brisken, Massimo Loda, Stefano Piccolo, Maria Rescigno

This Symposium is supported by
- Fondazione CARITRO
- Provincia Autonoma di Trento
- Comune di Rovereto
- Comune di Trento

Map

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Program

MONDAY JUNE 17, 2019
8.00 Registration
8.30 Enzo Galligioni Welcome
8.40 David Livingston Focus & Goals

The Enrico Milich Lecture
Chair: David Livingston
8.50 Sean Morrison The metabolic regulation of cancer progression
9.35 Discussion

Session 1 - The Microbiome and Cancer
Chair: Maria Rescigno
09.50 Romina Goldszmid Microbiota as a key modulator of the tumor microenvironment
10.15 Discussion
10.30 Jennifer Warpo The role of the gut and tumor microbiome in response to cancer therapy
10.55 Discussion
11.10 Coffee Break

Session 2 - Cancer Metastasis
Chair: Stefano Piccolo
11.30 Christoph Klein From early dissemination to manifest metastasis: Theoretical and practical challenges of an unsolved problem.
11.55 Discussion
12.10 Mikala Egeblad Neutrophil extracellular traps generated during inflammation drive cancer cell proliferation and a pro-metastatic microenvironment
12.35 Discussion
12.50 Lunch

Session 3 - Genome Order and Disorder
Chair: Fabrizio D’Adda di Fagagna
14.00 Roger Greenberg The necessity of noncanonical DNA damage responses for human cancer
14.25 Discussion
14.40 Daniel Durocher Charting the genetic architecture of the DNA damage response
15.05 Discussion
15.20 Simon Boulton Maintaining telomeres in ALT cancers
15.45 Discussion
16.00 Fabrizio D’Adda di Fagagna The role of non coding RNA in genome integrity
16.25 Discussion
16.40 Poster Session
17.30 Adjourn
20.00 Symposium Dinner

Program

TUESDAY JUNE 18, 2019

Session 4 - Tissue and Organ Formation
Chair: Cathrin Brisken
08.30 Cedric Blanpain Cancer cell of origin, tumor heterogeneity and EMT transitional state
08.55 Discussion
09.10 Stefano Piccolo Tumors as wounds that never heal: a YAP/TAZ perspective
09.35 Discussion
09.50 Nikolaus Rajewsky Principles of Gene Regulation by Single-Cell RNA Sequencing
10.15 Discussion
10.30 Coffee Break

Session 5 - Cancer and Metabolism
Chair: Massimo Loda
10.50 William Sellers The Next Generation Characterization of the Cancer Cell Line Encyclopedia - implications for targeting metabolic alterations in cancer
11.15 Discussion
11.30 Matt Vander Heiden Metabolic limitations of cancer progression
11.55 Discussion
12.10 Lunch

Session 6 - Cancer and Immunology
Chair: Alberto Bardelli
13.20 Andrea Ablasser Expanding roles of eGAS in immunity and inflammation
13.45 Discussion
14.00 Catherine Wu Addressing cancer heterogeneity: personalized cancer vaccines
14.25 Discussion
14.40 Poster Discussion and Poster Presentation (led by Massimo Loda)
15.40 David Livingston Concluding Remarks

Faculty

• Ablasser Andrea Swiss Federal Institute of Technology, Lausanne, CH
• Bardelli Alberto Candido Cancer Institute, University of Torino, IT
• Blanpain Cédric Université Libre de Bruxelles, BE
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• Rescigno Maria Humanitas University, Milan, IT
• Sellers William Broad Institute of MIT, Cambridge, MA
• Vander Heiden Matthew Koch Institute for Integrative Cancer Research at MIT, Cambridge, MA
• Wargo Jennifer MD Anderson Cancer Center, Houston, TX
• Wu Catherine Dana Farber Cancer Institute, Boston, MA

The Pezcoller Foundation

The Pezcoller Foundation is a non-profit organisation created in 1980 by Prof. Alessio Pezcoller (1896 - 1993), Chief Surgeon at Santa Chiara Hospital of Trento, Italy. The goal of the Foundation is to promote biomedical research in the field of cancer.

Activities:

• PEZCOLLER FOUNDATION-AACR INTERNATIONAL AWARD FOR EXTRAORDINARY ACHIEVEMENT IN CANCER RESEARCH
• PEZCOLLER FOUNDATION-EACR INTERNATIONAL CANCER RESEARCHER AWARD
• PEZCOLLER SYMPOSIUM
• PEZCOLLER SEMINARS
• PEZCOLLER FOUNDATION FELLOWSHIPS
• PEZCOLLER FOUNDATION GRANTS
• THE PEZCOLLER FOUNDATION JOURNAL

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