
Program

Thursday, June 20, 2013

- 8:00 Registration
- 8:20 Davide Bassi *Welcome*
- 8:25 Enrico Mihich *Introduction*
- 8:35 David Livingston *Focus & Goals*
- 8:45 Steven McKnight
– *Keynote Address: Choking cancer via inhibition of a tumor-essential metabolic enzyme dispensable to normal tissues*

Session I, The Krebs Cycle and Cancer Cells

Chair/Moderator: William Kaelin

- 9:30 William Kaelin
9:55 Discussion
– *The VHL Tumor Suppressor: Insights into oxygen sensing and cancer metabolism*
- 10:15 Coffee break
- 10:30 Katherine Wellen
10:55 Discussion
– *Metabolic reprogramming: links to the epigenome*
- 11:15 Eyal Gottlieb
11:40 Discussion
– *Characterizing and targeting cancer metabolic liabilities*
- 12:00 Ann Brunet
12:25 Discussion
– *Epigenetic and metabolic regulation of aging*
- 12:45 Lunch
- 13:45 Alberto Mantovani
14:10 Discussion
– *Macrophage polarization and orchestration of metabolism*

Session II, Metabolic Pathways in Cancer Cells

Chair/Moderator: Karen Vousden

- 14:30 Karen Vousden
14:55 Discussion
– *Control of metabolism and the p53 pathway*
- 15:15 Reuben Shaw
15:40 Discussion
– *The AMPK pathway controls metabolism and growth*
- 16:00 David Sabatini
16:25 Discussion
– *Regulation of growth by the mTOR pathway*

3

The Pezcoller Symposia

Program

- 16:45 Almut Schulze
17:10 Discussion
– *Metabolic reprogramming in cancer supports cell growth and survival*
- 17:30 Graham Hardie
17:55 Discussion
– *AMP-activated protein kinase: friend or foe in cancer?*
- 18:15 Adjourn

Friday, June 21, 2013

Session III, Modeling Cancer Metabolism

Chair/Moderator: Massimo Loda

- 8:30 Massimo Loda
8:55 Discussion
– *Metabolic profiling in prostate cancer: the lipogenic phenotype and its regulation by AMPK*
- 9:15 Owen Sansom
9:40 Discussion
– *Investigating translation and metabolism in murine models of intestinal neoplasia*
- 10:00 Coffee break
- 10:20 Gerry Melino
10:45 Discussion
– *Involvement of p73, a p53-family member, in metabolism and senescence*
- 11:05 Eytan Ruppin
11:30 Discussion
– *Personalized metabolic modeling of cancer*
- 11:50 Poster Session & Lunch

Session IV, Imaging and New Technologies

Chair/Moderator: Elizabeth Maher

- 14:30 Kevin Brindle
14:55 Discussion
– *Magnetic resonance imaging of tumor metabolism*
- 15:15 Elizabeth Maher
15:40 Discussion
– *Imaging 2-hydroxyglutarate: Opportunities for basic discovery and clinical care*
- 16:00 Alan Saghatelian
16:25 Discussion
– *Profiling Natural Small Molecules*
- 16:45 Linda Hsieh-Wilson
17:10 Discussion
– *Linking O-GlcNAc signaling to cancer metabolism and growth*
- 17:30 Adjourn
- 20:00 Symposium Dinner

4

The Pezcoller Symposia

Program

Saturday, June 22, 2013

- 8:00 Best Posters' Oral Presentations

Session V, Therapeutic Opportunities

Chair/Moderator: Alberto Mantovani

- 9:00 Katharine Yen
9:25 Discussion
– *IDH mutations and tumorigenicity*
- 9:45 Richard Wooster
10:10 Discussion
– *The metabolic and biological consequences of inhibiting fatty acid synthase in cancer*
- 10:30 Ray Pagliarini
10:50 Discussion
– *Characterizing IDH Mutations in Cancer*
- 11:20 Peter Jackson
11:45 Discussion
– *Targeting glycolysis and adaptation to glycolytic inhibition*
- 12:05 David Livingston
12:30 Lunch & Adjourn
– *Concluding Remarks*

5

The Pezcoller Symposia

Invited Participants

- **Kevin Brindle**
Cambridge Research Inst, Cambridge, UK
- **Anne Brunet**
Stanford Univ School of Medicine, Stanford, CA
- **Eyal Gottlieb**
The Beatson Inst for Cancer Res, Glasgow, Scotland
- **Graham Hardie**
Univ of Dundee, Dundee, Scotland, UK
- **Peter Jackson**
Genentech, San Francisco, CA
- **William Kaelin**
Dana Farber Cancer Inst, Boston, MA
- **David Livingston**
Dana Farber Cancer Inst, Boston, MA
- **Massimo Loda**
Harvard Medical School, Dana Farber Cancer Inst, Boston, MA
- **Elizabeth Maher**
UT Southwestern Medical Ctr, Dallas, TX
- **Alberto Mantovani**
Istituto Clinico Humanitas, Milan, Italy
- **Steven McKnight**
UT Southwestern Medical Ctr, Dallas, TX
- **Gerry Melino**
University of Leicester, Leicester, UK
- **Enrico Mihich**
Dana Farber Cancer Inst, Boston, MA

6

The Pezcoller Symposia

Invited Participants

- **Ray Pagliarini**
Novartis Inst for Biomedical Res, Cambridge, MA
- **Eytan Rupp**
Tel Aviv University, Tel Aviv, Israel
- **David Sabatini**
Massachusetts Inst of Technology, Cambridge, MA
- **Alan Saghetelian**
Harvard University, Cambridge, MA
- **Owen Sansom**
The Beatson Inst for Cancer Res, Glasgow, Scotland
- **Almut Schulze**
London Res Inst, London, UK
- **Reuben Shaw**
Salk Inst for Biological Studies, La Jolla, CA
- **Karen Vousden**
The Beatson Inst for Cancer Res, Glasgow, Scotland
- **Katherine Wellen**
Univ of Pennsylvania, Philadelphia, PA
- **Linda Wilson**
California Inst of Technology, Pasadena, CA
- **Richard Wooster**
GlaxoSmithKline, Collegeville, PA
- **Katharine Yen**
Agius Pharmaceuticals, Cambridge, 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.

Activities:

- **PEZCOLLER FOUNDATION-AACR INTERNATIONAL AWARD FOR CANCER RESEARCH** – 75.000 Euro: this prize is presented, every year, to a scientist who has made a major scientific discovery in the field of cancer.
- **PEZCOLLER FOUNDATION-ECCO RECOGNITION FOR CONTRIBUTION TO ONCOLOGY** – 30.000 Euro: this prize is presented, every two years to a single individual (scientist, clinician, nurse. etc.) for his/her professional life dedication to the improvement of cancer treatment, care and research.
- **THE PEZCOLLER SYMPOSIA**: a series of annual symposia promoting interactions among scientists working at the cutting edge of basic oncological sciences.
- **PEZCOLLER SEMINARS**: a series of educational meetings for medical doctors.
- **PEZCOLLER FOUNDATION FELLOWSHIPS**: for professional updating in oncology.
- **PEZCOLLER FOUNDATION GRANTS**: for oncological research programs.
- **THE PEZCOLLER FOUNDATION JOURNAL**: this periodical is published to provide a direct link, at six month interval, between the Pezcoller Foundation and the international medical and scientific community.
- **PEZCOLLER-EACR AWARD**: celebrating academic excellence and achievements of young European researchers in the field of cancer. This prestigious award and lecture is presented at the Biennial EACR Congress. The award includes 10,000 Euro plus expenses covering travel, accommodation and congress fees.

This Symposium is supported by

- Fondazione Cassa di Risparmio di Trento e Rovereto
- Provincia Autonoma di Trento
- Comune di Trento
- Comune di Rovereto

25th Pezcoller Symposium

METABOLISM AND TUMORIGENESIS

Trento, Italy,
June 20-22, 2013



Fondazione PEZCOLLER
Via Dordi, 8
38122 TRENTO - Italy
Tel. 0039 - 0461 - 980250
Fax 0039 - 0461 - 980350
E-mail: pezcoller@pezcoller.it
Web: www.pezcoller.it

The Pezcoller Foundation Symposia

25th Pezcoller Symposium **METABOLISM AND TUMORIGENESIS**

Trento, Italy, June 20-22, 2013
Conference Hall Fondazione Cassa di Risparmio di Trento e Rovereto, via Calepina 1 – 38122 Trento

Co-Chairmen and Program Committee

William Kaelin, David Livingston,
Massimo Loda, Karen Vousden, Enrico Mihich

Tumor cells often reveal complex sets of metabolic abnormalities. Certain metabolic abnormalities in tumors are grounded in the operations of mutant or dysfunctional genes, underscoring the value of these perturbations in the tumorigenesis process. This Symposium will explore key aspects of cancer cell metabolism with an emphasis on understanding the mechanisms that give rise to it, on defining how it serves the survival needs of tumors, on identifying abnormal tumor metabolic phenotypes, and on assessing the potential clinical effects of interfering with these abnormalities.