
Program

June 10, 2010

- 8:00 Registration
8:35 Gios Bernardi *Welcome*
8:45 David Livingston *Focus & Goals*
Keynote Address: Causes and consequences of microRNA dysregulation in cancer (30 min talk, 15 min Q & A)
9:00 Carlo Croce

Session I – Small RNAs as tools for Cancer Drug Development

Moderators: William Kaelin and Pier Paolo Pandolfi

- 9:45 René Bernards *– Understanding mechanism of drug resistance through RNAi based genetic screens*
10:15 Discussion
10:40 Coffee break
11:00 Alan Ashworth *– RNAi screens to discover potential new therapeutic targets and biomarkers of response*
11:30 Discussion
11:55 Lars Zender *– In vivo RNAi for accelerated cancer gene discovery in Hepatocellular Carcinoma*
12:25 Discussion
12:50 Lunch

Session II – Non-coding RNAs

Moderators: Wilhelm Krek and Marco Pierotti

- 13:50 Yi Liu *– Diverse small RNA biogenesis pathways in fungi*
14:20 Discussion
14:45 Joachim Lingner *– TERRA-telomeric repeat containing RNA*
15:15 Discussion
15:40 Scott Hammond *– Post-transcriptional regulation of microRNAs*
16:10 Discussion
16:35 Pier Paolo Pandolfi *– A novel biological dimension for coding and non-coding mRNAs*
16:55 Discussion
17:25 Adjourn

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The Pezcoller Symposia

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June 11, 2010

Session III – Biochemistry of Small RNAs

Moderators: Nadia Zaffaroni and Carola Ponzetto

- 8:00 Irene Bozzoni *– Role of small non-coding RNAs in the physiopathology and therapy of Duchenne Muscular Dystrophy*
8:30 Discussion *– Mechanisms of the miRNA-mediated repression and miRNA metabolism in mammalian cells*
8:55 Witold Filipowicz
9:25 Discussion
9:50 Coffee break
10:15 Reuven Agami *– MicroRNAs and RNA-binding proteins in cancer*
10:45 Discussion
11:10 Poster Session & Lunch

Session IV – Micro RNAs and Cancer

Moderators: Witold Filipowicz and Carlo Croce

- 13:15 Frank Slack *– MicroRNAs as targets and therapeutics in mouse models of cancer*
13:45 Discussion
14:10 Gunther Hartmann *– RIG-I drives immunogenic tumor cell apoptosis*
14:40 Discussion
15:05 Manel Esteller *– Epigenetic and genetic disruption of ncRNAs in cancer*
15:35 Discussion
16:00 Eva Hernando *– miRNA alterations in melanoma pathogenesis*
16:30 Discussion
16:55 Anna Krichevsky *– MicroRNA in gliomas: small regulators of a big problem*
17:25 Discussion
17:50 Adjourn
20:00 Symposium Dinner

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June 12, 2010

Session V – RNAs as Diagnostics and Therapeutics in Cancer

Moderators: René Bernards and David Livingston

- 8:00 **Best Posters' Oral Presentations**
9:00 Gunter Meister *– The role of microRNAs in glioblastoma pathogenesis*
9:30 Discussion
9:55 Dalia Cohen *– microRNAs for diagnostics and therapeutics*
10:25 Discussion
10:50 Sakari Kaupinnen *– Targeting of microRNAs for therapeutics*
11:20 Discussion
11:45 Luigi Naldini *– Exploiting and antagonizing microRNA regulation in gene therapy*
12:15 Discussion
12:40 David Livingston *– Concluding Remarks*
13:10 Lunch & Adjourn

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Invited Participants

- **Reuven Agami**
The Netherlands Cancer Institute, Amsterdam, The Netherlands
- **Alan Ashworth**
Breakthrough Research Centre, London, UK
- **René Bernards**
National Cancer Institute, Amsterdam, The Netherlands
- **Irene Bozzoni**
University of Rome La Sapienza, Rome Italy
- **Dalia Cohen**
Rosetta Genomics, Philadelphia, PA
- **Carlo Croce**
Ohio State University, Columbus, OH
- **Witold Filipowicz**
Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland
- **Manel Esteller**
Spanish National Cancer Center, Madrid, Spain
- **Scott Hammond**
University of North Carolina, Chapel Hill, NC
- **Gunther Hartmann**
University of Bonn, Bonn, Germany
- **Eva Hernando**
New York University Langone Medical Center, New York, NY
- **William Kaelin**
Dana Farber Cancer Institute, Boston, MA
- **Sakari Kaupinnen**
Santaris Pharma a/s, Copenhagen, Denmark
- **Wilhelm Krek**
Institute of Cell Biology, Zurich, Switzerland

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Invited Participants

- **Anna Krichevsky**
Brigham and Women's Hospital, Boston, MA
- **Joachim Lingner**
Swiss Institute for Experimental Cancer Research (ISREC), Lausanne, Switzerland
- **David Livingston**
Dana Farber Cancer Institute, Boston, MA
- **Yi Liu**
UT Southwestern Medical Centre, Dallas, TX
- **Gunter Meister**
Max-Planck Institute of Biochemistry, Martinsried, Germany
- **Enrico Mihich**
Dana Farber Cancer Institute, Boston, MA
- **Luigi Naldini**
San Raffaele Telethon Institute for Gene Therapy (HSR-TIGET), Milan, Italy
- **Pier Paolo Pandolfi**
Harvard Medical School, Boston, MA
- **Marco Pierotti**
Ist Nazionale Tumori, Milan, Italy
- **Carola Ponzetto**
University of Torino, Torino, Italy
- **Frank Slack**
Yale University, New Haven, CT
- **Nadia Zaffaroni**
Istituto Nazionale Tumori, Milan, Italy
- **Lars Zender**
Hannover Medical School, Hannover, Germany

The Pezcoller Foundation

The Pezcoller Foundation is a non-profit organisation created in 1980 by Prof. Alessio Pezcoller (1896 - 1993), Chief Surgeon of 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 FELLOWSHIP**: for professional updating in oncology.
- **THE PEZCOLLER FOUNDATION JOURNAL**: this periodical is published in order to provide a direct link, at six month interval, between the Pezcoller Foundation and the international medical and scientific community.

This Symposium is supported by

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

22st Pezcoller Symposium

RNA Biology and Cancer

Trento, Italy,
June 10-12, 2010

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The Pezcoller Foundation Symposia

22nd Pezcoller Symposium RNA Biology and Cancer

Trento, Italy, June 10-12, 2010
Conference Hall of Fondazione Cassa di Risparmio di Trento e Rovereto, via Calepina 1 – 38122 Trento

Co-chairmen and Program Committee
René Bernards, Witold Filipowicz, David Livingston and Enrico Mihich

The program of the Symposium has been developed by Dr René Bernards (National Cancer Institute, Amsterdam), Dr Witold Filipowicz (Friedrich Miescher Institute for Biomedical Research, Basel) and Dr David Livingston (Dana Farber Cancer Institute, Boston); they will co-chair the meeting in cooperation with Dr Enrico Mihich (Dana Farber Cancer Institute). The focus of the Symposium will be on the functional importance of various non-coding RNA molecules in cancer.

The topics to be discussed will include the opportunities offered by small RNA as tools for cancer drug development, the role of non-coding RNAs, the biochemistry of small RNAs, the function of micro-RNA in cancer, and RNAs as diagnostics and therapeutics in cancer. Each 30 minute talk by the 18 invited speakers will be followed by 25 minutes of discussion, thus providing ample opportunity for interaction and cross-fertilization among participants. A session of posters in the areas discussed at the Symposium will be included. Poster abstracts should be submitted to Dr Mihich [enrico_mihich@dfci.harvard.edu] before April 15, 2010, and will be reviewed for acceptance by Drs. Livingston and Mihich. For scientific matters contact Dr Livingston [david_livingston@dfci.harvard.edu], for local arrangements and travel matters contact Pezcoller Foundation secretariat office [pezcoller@pezcoller.it].