Program

June 10, 2010

8:00  Registration
8:35  Gios Bernardi
     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
     Discussion – Understanding mechanism of drug resistance through RNAi based genetic screens
10:15 Coffee break
11:00 Alan Ashworth
     Discussion – RNAi screens to discover potential new therapeutic targets and biomarkers of response
11:30 Lars Zender
     Discussion – In vivo RNAi for accelerated cancer gene discovery in Hepatocellular Carcinoma
12:50 Lunch

Session II – Non-coding RNAs
Moderators: Wilhelm Krek and Marco Pierotti

13:50 Yi Liu
     Discussion – Diverse small RNA biogenesis pathways in fungi
14:20 Joachim Lingner
     Discussion – TERRA-telomeric repeat containing RNA
14:45 Scott Hammond
     Discussion – Post-transcriptional regulation of microRNAs
15:15 Pier Paolo Pandolfi
     Discussion – A novel biological dimension for coding and non-coding miRNAs
15:40 Coffee break
16:30 Eva Hernandez
     Discussion – miRNA alterations in melanoma pathogenesis
16:55 Anna Krichevsky
     Discussion – MicroRNA in gliomas: small regulators of a big problem
17:25 Adjourn

June 11, 2010

Session III – Biochemistry of Small RNAs
Moderators: Nadia Zaffaroni and Carola Ponzetto

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

Session IV – MicroRNAs and Cancer
Moderators: Witold Filipowicz and Carlo Croce

13:15 Frank Slack
     Discussion – MicroRNAs as targets and therapeutics in mouse models of cancer
13:45 Discussion
14:10 Gunther Hartmann
     Discussion – RIG-I drives immunogenic tumor cell apoptosis
14:40 Discussion
15:05 Manel Esteller
     Discussion – Epigenetic and genetic disruption of ncRNAs in cancer
15:35 Discussion
16:00 Eva Hernandez
     Discussion – MicroRNA alterations in melanoma pathogenesis
16:30 Discussion
17:25 Adjourn
20:00 Symposium Dinner

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

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 Hernandez
New York University Langone Medical Center, New York, NY

William Kaelin
Dana Farber Cancer Institute, Boston, MA

Sakari Kaupinnen
Sanitaris Pharma a/s, Copenhagen, Denmark

Wilhelm Krek
Institute of Cell Biology, Zurich, Switzerland
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 intervals, 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

22nd Pezcoller Symposium
RNA Biology and Cancer
Trento, Italy, June 10-12, 2010

The program of the Symposium has been developed by Dr René Bernards (National Cancer Institute, Amsterdam), Dr Winold Filippowicz (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].