



ARCH KICK-OFF MEETING

“Age-Related changes in Hematopoiesis”

2nd -4th March 2020

DAY 1

02/03/2020 - 9.00-17.30 ARCH OPENING CONFERENCE

University of Milano-Bicocca, Building U4, Aula Luisella Sironi

9.00 – 9.15 Introduction to ARCH Project (A. Ronchi, University of Milano-Bicocca, Italy)

9.15-10.00 The onset of hematopoiesis (E. Dzierzak, University of Edinburgh, United Kingdom)

10.00-10.45 Ageing in hematopoiesis (L. Bystrykh, University Medical Center Groningen, Netherlands)

Opening of the photographic exhibition "STEM PASSION. A journey inspired by women in science". Photos by Elisabetta Citterio

10.45-11.15 Coffee Break

11.15-12.00 Genomic instability and HSCs ageing (P. Kastner, Centre Européen de Recherche en Biologie et en Médecine, France)

12.00-12.45 Molecular Control of Erythropoiesis: Reversing the Hemoglobin Switch (S. Philipsen, Erasmus MC, Netherlands)

12.45-14.00 Lunch

14.00-14.45 Genetic insights into the pathogenesis of leukemias (G. Cazzaniga, Fondazione M. Tettamanti e Menotti De Marchi, Italy)

14.45-15.30 Clinical translation of new discoveries in the treatment of leukemia (J. Ghysdael, Institut Curie, France)

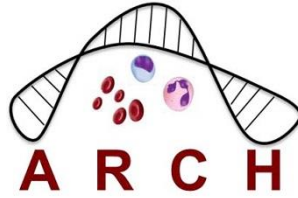
15.30-16.15 The role of signaling in acute lymphoblastic leukemia (S. Izraeli, Tel Aviv University, Israel)

16.15- 17.30 Round table on Science responsibility toward society: open Science and Public Engagement. Different perspectives by F. Turone, science journalist (Centre for Ethics in Science and Journalism, Milan), S. Casati, bioethicist (University of Milano-Bicocca), A. Biondi, medical doctor (University of Milano-Bicocca) and a representative of a patients association (Comitato Maria Letizia Verga). Chair: S. Casati.

19.30 ARCH Social Dinner



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DAY 2

Sessions dedicated to ARCH consortium and ARCH ESRs

**03/03/2020 – 9.45-17.00 Workshop 1: “Functional Cytometry: understanding cytomic assays”
FlowMetric Europe, Bresso (Milano)**

9.45-10.25 Non-academic/private sector organisations:

9.45-9.55 Introduction to FlowMetric Europe, Italy (J. Bick)

9.55-10.05 Introduction to Diagenode, Belgium (C. Sabatel)

10.05-10.15 Introduction to CNR-EMMA-Intrafrontier, Italy (F. Chiani)

10.15-10.25 Introduction to Becton Dickinson, Italy (G. Rotta)

10.25-10.55 ARCH Communication and Dissemination Plan Presentation (Project Manager)

10.55-12.30

Supervisory Board Meeting - *only Supervisors*

Election of ESRs Representative and ESRs short videos - *only ESRs*

12.30-13.30 Lunch

13.30-17.00 1st Workshop “Functional Cytometry: understanding cytomic assays” (speakers from FlowMetric Europe and Becton Dickinson)

Principles of flow cytometry, data analysis and quality control:

- ✓ overview of cytometry technologies;
- ✓ description of pre-analytical (sample preparation, cytometer operation and standardization) and analytical (protocol design and optimization) Flow Cytometry phases;
- ✓ specific applications of functional cytometry (cell death and cell cycle analysis, cell signalling and single cell transcriptional profile by using Flow-FISH assays)



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DAY 3

Sessions dedicated to ARCH ESRs and DIMET PhD Students

04/03/2020 - 9.00-13.15 1st Course “Bioethical issues in biomedical research”
University of Milano-Bicocca, Building U1, Aula Marchetti

9.00-9.45 Bioethical issues of working with human samples/data and on animal experimentation (G. Cattoretti, University of Milano-Bicocca)

9.45-10.30 What is the role of the Ethical Committee? (S. Casati, University of Milano-Bicocca)

10.30-11.15 The relevance of Open Access for research (F. Verga, University of Milano-Bicocca)

Break

11.45-12.30 Biobanks at the crossroad between research and ethics in health research (ML. Lavitrano, University of Milano-Bicocca)

12.30-13.15 For the good of science, trust but verify (F. Turone, science journalist, Centre for Ethics in Science and Journalism, Milan)

End of the Meeting



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