



Alp Nano Bio International School 2 - ANIS2

January 11-15, 2010

Sterzing (Vipiteno) Bozen, Italy

Monday 11th January - Tutorial: Improving the understanding of cancer

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| 14.00 | - | 14.30 | Opening Mariano Anderle (Provincia autonoma di Trento) Cecilia Pederzolli (Fondazione Bruno Kessler) |
| 14.30 | - | 15.30 | Understanding the molecular bases of complex traits: from basic research to therapy Paolo Gasparini (University of Trieste & IRCCS Burlo Garofalo Trieste) |
| 15.30 | - | 16.30 | Lost in translation: mRNA fate and the hidden dimension of signature and biomarker discovery in cancer Alessandro Quattrone (Centre for Integrative Biology, University of Trento) |
| 16.30 | - | 17.00 | Coffee break |
| 17.00 | - | 18.00 | Tumors and immune system: how to exploit immune-mediated mechanisms to target tumors and their microenvironment Marco Colombatti (Department of Pathology, Section of Immunology, University of Verona) |
| 18.00 | - | 19.00 | OMICS profiling and prognostic significance in cancer Gian Paolo Tonini (Translational Pediatric Oncology, National Cancer Research Institute, Genoa) |
| | | 19.30 | Welcome party |

Tuesday 12th January - DIAGNOSTICS

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| 8.30 | - | 9.30 | Cancer biomarkers in the clinical practice: state of the art and future directions Massimo Gion (Istituto Oncologico Veneto IRCCS, UO Analysis Laboratory) |
| 9.30 | - | 10.30 | Biomarkers and surrogate end-points in anti-angiogenic therapies: a paradigmatic example for targeted drugs Federico Bussolino (Institute for Cancer Research and Treatment, University of Turin) |
| 10.30 | - | 11.15 | Protein Surface Chemistry: Measuring Dissociation Constants, Enzyme Reactions and Protein-protein Interactions Giacinto Scoles (International School for Advanced Studies (SISSA)/Elettra - Trieste) |
| 11.15 | - | 11.30 | Coffee break |
| 11.30 | - | 12.15 | Large Scale Proteomics with a Very Small Number of Cells for Point of Care Diagnostics Purposes Giacinto Scoles (International School for Advanced Studies (SISSA)/Elettra - Trieste) |
| | | | SNOW-TIME |
| 16.00 | - | 16.45 | DNA Microarray: a Versatile Tool for Research and Diagnostics Andrea Cuppoletti (CTO Molecular Stamping Labs) |
| 16.45 | - | 17.30 | In vivo Diagnostic Imaging: from Contrast Media to Molecular Probes Fulvio Uggeri (Bracco S.p.A.) |
| 17.30 | - | 18.15 | Fluorescence Detection for Immunoassays and DNA sensing - from optical table to miniaturized biosensor devices Marius Boamfa (Molecular Diagnostic Group, Philips Research Europe) |
| 18.15 | - | 19.00 | Biochips for Hepatocellular Carcinoma Giorgio Fassina (Xeptagen S.p.A.) |
| 20.30 | - | 22.30 | LATEMAR MEETING |



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Wednesday, 13th January - DIAGNOSTICS and IMAGING

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| 8.30 | - | 9.30 | Nanoscopy and Multidimensional Optical Fluorescence Microscopy Alberto Diaspro (LAMBS-MicroScoBio, University of Genoa & Italian Institute of Technology) |
| 9.30 | - | 10.30 | Brain tumour radiotherapy with synchrotron radiation Alberto Bravin (ID17 - Bio-medical Beamline ESRF) |
| 10.30 | - | 12.30 | Delivery of nanoparticles to solid tumors: implication for therapy and diagnosis Paolo Antonio Netti (University of Napoli) |
| 12.30 | - | 13.00 | Coffee break SNOW-TIME |
| 16.30 | - | 17.15 | Avidin Nucleic Acids Nano Assembled Systems: novel multipotent tools in biomedicine from a two-fold nature-driven self-assembly Margherita Morpurgo (University of Padova , A.n.a.n.a.s. Nanotech) |
| 17.15 | - | 18.15 | Using self-assembled nanomaterials to delay the formation of metastatic cancer cell colonies in vitro Rutledge Ellis Behnke (Cognitive Sciences Department, MIT Cambridge) |
| 18.15 | - | 19.00 | Niccolò Manaresi (Silicon Biosystems - Bologna) |
| | | 20.00 | Social dinner |

Thursday, 14th January - THERAPY

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| 8.30 | - | 10.00 | Vasculature-targeted nano-technology: a novel anti-tumour therapeutic strategy Mirco Ponzoni (Laboratory of Oncology, Institute G. Gaslini) |
| 10.00 | - | 11.00 | Polycations in cancer diagnostics and therapy- A novel approach Silke Krol (NanoBioMed group at LANADA - Area Science Park) |
| 11.00 | - | 12.00 | Nanotoxicology: the dark side of the employment of nanoparticles in medicine Bice Fubini (Department of Chemistry IFM University of Turin) |
| | | 12.00 | Coffee break SNOW-TIME |
| 20.00 | - | 22.00 | Poster Session |



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Friday, 15th January - NEW FRONTIERS OF CANCER THERAPY

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| 8.30 | - | 9.10 | Target therapy Claudio Graiff (Oncology Department, San Maurizio Hospital - Bolzano) Emanuela Vattemi (Oncology Department, San Maurizio Hospital - Bolzano) |
| 9.10 | - | 9.50 | Proton Therapy Maurizio Amichetti (ATreP - Provincial Agency for Proton Therapy) |
| 9.50 | - | 10.35 | Micro-methods in Chronic Lymphocytic Leukaemia and Multiple Myeloma Paolo Coser (Emeritus Head of Hematology and Bone Marrow Transplant Division, San Maurizio Hospital - Bolzano) |
| 10.35 | - | 11.00 | Coffee break |
| 11.00 | - | 11.30 | Target therapy in Non-Hodgkin's Lymphoma Paolo Coser (Emeritus Head of Hematology and Bone Marrow Transplant Division, San Maurizio Hospital - Bolzano) |
| 11.30 | - | 12.10 | Tissue biobanks: a resource for research and a wealth of society Mattia Barbareschi (U.O. Anatomia Patologica Santa Chiara Hospital - Trento) Silvia Fasanella (U.O. Anatomia Patologica Santa Chiara Hospital - Trento) |
| 12.10 | - | 13.00 | Closing lecture Lucio Luzzatto (Istituto Toscano Tumori ITT) |
| | | 13:00 | Lunch |