

Workshop on  
*Advanced Analytical Technologies for Life Sciences*

Wednesday, 02 October 2019

Venue: Sala Consiglio di Facoltà, Politecnico, Corso Duca degli Abruzzi, 24, Turin.

08.00 - 09.00	Registration
09.00 - 09.10	<i>Welcome talk</i> Maria Luisa Rastello, INRIM Scientific Director
09.10 - 09.20	<i>Opening talk</i> Carla Divieto and Andrea M. Rossi, INRIM
09.20 - 09.50	<i>Keynote session 1</i> Ruedi Aebersold, ETH, Zurich, Switzerland <i>Genotypic variability and its biological significance</i>
09.50 - 10.10	Carmen Fava, UNITO, Turin, Italy <i>Standardization of Two dPCR Platforms for Detection of BCR/ABL1 - Minimal Residual Disease in Ph+ Chronic Myeloid Leukemia</i>
10.10 - 10.30	Elena Bravo, ISS, Italy <i>The standardization of biotechnology: new horizons for research biobanks</i>
10.30 - 10.50	Helen Parkes, LGC, UK <i>International Standardization in support of Advanced Healthcare Technologies for Gene and Cell based Diagnostics and Therapeutics</i>
10.50 - 11.20	Coffee break
11.20 - 11.40	Laura Cavallarin, ISPA-CNR, Turin, Italy <i>Challenges in profiling the casein content of bovine milk</i>
11.40 - 12.00	Janaina Cavalcante, INMETRO, Rio de Janeiro, Brazil <i>Challenges in biomeasurements in microbiology</i>
12.00 - 12.20	Anna Cane, Assitol, Italian Oil Industry Association, Rome, Italy <i>Metrological aspects of a case study: the olive oil</i>
12.20 - 12.40	Sandrine Vessilier, NIBSC, UK and Carla Divieto, INRIM <i>Application of a CCQM study to the clinic practice: the CCQM P165 and P123 case studies for flowcytometry and microscopy technologies</i>

12.40 - 13.10	Tiziana Venesio, Candiolo Cancer Institute, Turin, Italy <i>Nucleic acid quantification as molecular marker for solid tumor patient management</i>
13.10 -14.10	Lunch
14.10 - 14.30	<b>Keynote session 2</b> Jayne Morrow, Montana State University, USA <i>Metrology for advanced technologies for life sciences</i>
14.30 -14.50	J. Eugene Lee, Korea Research Institute of Standards and Science, Korea <i>Reference Proteome-Based Subtyping of Liver Cancer</i>
14.50 -15.10	Valeria Chiono, Politecnico of Turin, Italy <i>Direct cell reprogramming therapy in myocardial regeneration through an engineered multifunctional platform integrating biochemical instructive cues-ERC Project BIORECAR</i>
15.10 -15.30	Shan Zou, NRC Canada <i>Advanced microscopy for nanoscale measurements</i>
15.30 - 15.50	Anna Sapino, Caterina Marchiò, Candiolo Cancer Institute, Turin, Italy <i>Validation of new technologies and biomarkers to guide towards personalized therapeutic approaches</i>
15.50 - 16.20	Coffee break
16.20 -16.40	Daniela Duarte Campos, Stanford University, California, USA <i>Next Generation magnetic bioprinting of multilayered 3D tissues</i> to be confirmed
16.40 - 17.00	Jayne de Vos, NMISA, South Africa <i>Analytical Technologies in Food Safety and Environmental Monitoring</i>
17.00 - 17.20	Andrea M. Rossi, INRIM <i>The role of vibrational spectroscopy methods in the food metrology field</i>
17.20 - 17.40	Leonardo Mortati, Andrea Lapini, INRIM <i>Advanced Microscopy Techniques for Biomedical Applications</i>
17.40 -18.00	To be confirmed