

Workshop

Advanced Analytical Technologies for Life Sciences

October 2, 2019

Torino, Italy

Chairs: C. Divieto, A. M. Rossi, M. Zucco, M. Vonsky, A. Lapini

08.00 - 09.00	Registration
09.00 - 9.10	<p><i>Welcome talk</i> Maria Luisa Rastello, INRIM Scientific Director</p> <p><i>Opening talk</i> Carla Divieto and Andrea M. Rossi, INRIM</p>
09.10 - 09.40	<p>Keynote Ruedi Aebersold, ETH, Zurich, Switzerland <i>Genotypic variability and its biological significance</i></p>
09.40 - 10.00	<p>Carmen Fava, UNITO, Turin, Italy <i>The value of digital PCR for detection and monitoring of Chronic Myeloid Leukemia</i></p>
10.00 - 10.20	<p>Claudia Giachino, UNITO, Turin, Italy <i>Translational Research Center for Innovative Medicine</i></p>
10.20 - 10.40	<p>Elena Bravo, ISS, Italy <i>The standardization of biotechnology: new horizons for research biobanks</i></p>
10.40 - 11.00	<p>Helen Parkes, LGC, UK <i>International Standardization in support of Advanced Healthcare Technologies for Gene and Cell based Diagnostics and Therapeutics</i></p>
11.00 - 11.30	Coffee break
11.30 - 11.50	<p>Sandrine Vessilier, NIBSC, UK <i>Application of a CCQM study to the clinic practice: the CCQM P165 case study for flowcytometry</i></p>
11.50 - 12.10	<p>Anna Cane, Assitol, Italian Edible Oil Industry Association, Italy <i>Metrological aspects of a case study: the olive oil</i></p>
12.10 - 12.30	<p>Laura Cavallarin, ISPA-CNR, Turin, Italy <i>Challenges in profiling the casein content of bovine milk</i></p>
12.30 -14.00	Lunch

14.00 - 14.20	Megan Cleveland, NIST, USA <i>Measurement infrastructure to support emerging biosciences and health</i>
14.20 -14.40	Anna Sapino, Caterina Marchiò, Candiolo Cancer Institute, Turin, Italy <i>Validation of new technologies and biomarkers to guide towards personalized therapeutic approaches</i>
14.40 -15.00	J. Eugene Lee, Korea Research Institute of Standards and Science, Korea <i>Reference Proteome-Based Subtyping of Liver Cancer</i>
15.00 -15.20	Shan Zou, NRC Canada <i>Nanomechanical detection for nanomaterial toxicity evaluation</i>
15.20 - 16.00	Coffee break
16.00 -16.20	Valeria Chiono, Polytechnic University of Turin, Italy <i>Direct reprogramming of human cardiac fibroblasts into cardiomyocyte-like cells in 2D versus 3D culture conditions</i>
16.20 - 16.40	Jayne de Vos, NMISA, South Africa <i>Analytical Technologies in Food Safety and Environmental Monitoring</i>
16.40 - 17.00	Jing Wang, NIM, China <i>New technologies in food microorganism quantification</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	Emiliana De Santis, NPL, UK <i>Developing virus-like particles as reference materials for gene delivery</i>
17.40 -18.00	Leonardo Mortati, INRIM <i>Advanced Microscopy Techniques for Biomedical Applications</i>