



THINKSHOP

THE MILK DAY

In dairy industry, one of most pressing unmet needs is the timely detection of toxins contaminations that originate from animal feed and are secreted into milk and represents a hazard for human health and an economic loss for the dairy industry. The available technology for aflatoxin detection is laboratory-based, in most cases requires sample preparation and does not provide timely identification of contaminants, thus fails to deliver cost-effective management of milk quality.

Can the use of Micro System Technologies and biosensors provide a solution to overcome these limitations? What are the major factors that could jeopardize the integration and automation of current analysis techniques? Milk chemistry and composition, strict regulations for milk quality, dairy industry requirements, the large diffusion of milk consumers and producers pose substantial challenges, but, in the meanwhile, offer a number of opportunities for exploiting the huge potential of miniaturized systems and sensors.

This workshop, organized in the framework of the SYMPHONY project, will be the occasion to discuss relevant open issues in the application of MST in the analysis of milk contaminations.

Main topics include:

1. Milk chemistry and challenges for analysis
2. Aflatoxin and health prevention
3. Milk quality testing and regulations
4. A dairy industry experience and review of current procedures and limitations
5. MST for food quality



SYMPHONY – Integrated SYsteM based on PHOtonic Microresonators and Microfluidic Components for rapid detectionN of toxins in milk and dairY products.

FP7-ICT-2013-10

Gr. agreement 610580

FBK Povo
Trento, 4th Feb 2015

A Satellite event of
AISEM 2015

<http://www.aisem2015.it>

Multidisciplinary
experts talking
about milk

Open discussion
with stakeholders
and end users

Free participation

SYMPHONY PARTNERS

FBK, UniTN, EPIGEM,
ACREO, Concast, LioniX,
QCL

PROJECT LEADER

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<http://symphony-project.eu/>

General Program

4th February 2014

Trento, Fondazione Bruno Kessler via Sommarive 18, Sala Stringa

14.00-Registration and welcome

14.10- Introduction and presentation of SYMPHONY project

Andrea Adami, FBK-Technical manager of the SYMPHONY project

14.30- Milk quality testing and regulations

Ulrich Leist, DRRR, Germany

14.50- Milk and health in the Province of Trento

Alberto Mattivi, Prevention Dep. Local Health Trust, Trento, Italy

15.10- Milk quality testing in Trentino

Nicola Cologna, CONCAST, Trento

15.30- Rapid Detection of Aflatoxin M1 in Milk: Analytical Challenges and Validation Aspects under EC Perspective

Veronica Lattanzio ISPA-CNR, Italy

15.50- Research & Business - Transitioning Innovation to Commercial Success

Mark Whatton, QCL, United Kingdom

16.10- Coffee break

16.40- MST for food quality and safety

Andrea Adami, FBK-Technical manager of the SYMPHONY project

17.00 -Discussion

18.00- Conclusion



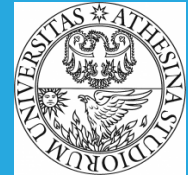
This project is funded by the European Commission through the Seventh Framework Programme



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For further information please write us: morganti@fbk.eu or visit the webpage: <http://symphony-project.eu/TheMilkDay>