



## **COST ACTION FA1001**

### **The application of Innovative Fundamental Food-structure-property Relationships to the Design of Foods for Health, Wellness and Pleasure**

#### **ANNOUNCEMENT WG3 WORKSHOP 2013**

#### **WG3 ROUND TABLE “FOOD ENGINEERING ROUTE TO PROCESS-STRUCTURE-HEALTHY FUNCTION RELATIONSHIPS - WG3 ACTIVITY PLAN FOR 2014”**

**University College of Dublin, November 4<sup>th</sup> 2013**

**9:00 am - 5:00 pm.**

COST Action FA1001 started on November 2010 and will end on November 2014.

The engineering approach to food structure design is underpinning a relevant part of research activities of members of the network. The mission is to strengthen at the European level the scientific understanding of product design and engineering and to stimulate and accelerate the development of innovative, complex and highly structured products and suitable production processes .

Main Achievements of the network is the design of health supporting food functions with development of food structure/health benefits relationships in complex real multiphase structured foods (mainly emulsions and foams).

A planning meeting has been organized by the Working Group 3 of the COST Action “Designing innovative everyday foam- and emulsion-based foods with optimal sensoric quality and health benefits” in view of the last year activities of the network.

In order to meet the COST criteria for networking, and to have suggestions from excellent scientists in the field, the Action “FoodStructureDesign” open to the new born European Academy of Food Engineering, to bridge towards the European Food Engineering Scientific Community, with the expectation to promote the sharing of the outcomes of the Action on food engineering and related topics.

Topics for the scientific discussion (selected on the basis of research involvement of COST members and of invited experts) will be the engineering aspects in the development of process-structure-healthy function relationships in foods. The Action has developed three directions of “Food structure design”:

- Process Innovations: encapsulation technology, drying, non-thermal processing;

- Structure and Function Innovations : formulation engineering for food product and ingredient design with programmed health functionality;
- Gastrointestinal engineering.

A discussion on current and future activities of European Academy of Food Engineering will be part of the workshop, aimed at planning WG3 activities for 2014 and at planning dissemination of WG3 results to the Food Engineering Scientific Community.

**It would be desirable an active participation in the meeting with poster/communications.**

Contribution to discussion on any subject at the interface between food and engineering will be of particular value.

Please send us **within Tuesday 22 October 2013** the title of you contribution (and the presenting Author):

- A. oral presentation on current activities in the food engineering area
- B. oral presentation on EU opportunities for future research networks in food engineering area
- C. oral presentation on the research subject: “engineering aspects in the development of process-structure-healthy function relationships in foods”
- D. poster presentation on current activities in the food engineering area
- E. poster presentation on the research subject : “engineering aspects in the development of process-structure-healthy function relationships in foods”

The detailed programme of the workshop will be uploaded soon to the web site of the Action: [www.foodstructuredesign.net](http://www.foodstructuredesign.net).

**Reimbursement**

- Participants who may be reimbursed (travel and accommodation expenses, according COST procedure) must be member of a Working Group (WG) of the Action. To **join the WG3**, the registration on the web site of the Action is needed (<http://www.foodstructuredesign.net/>) and information must be sent to the grant holder of the Action who will be responsible for the payments([office.fa1001@unimi.it](mailto:office.fa1001@unimi.it)). **ATTENDANTS WHO ARE NOT MC MEMBERS ARE INVITED TO REGISTER in WG3 as “EXPERT”.**
- According to COST rules, an honorarium for participation is a non-eligible expense.

Prof. Dolores O’Riordan

Prof. Antonio Vicente

Prof. Laura Piazza

Vice Chair of the Action FA1001  
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Chair of WG3

Chair of the Action

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