

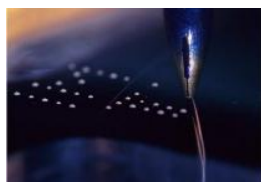
Scientific Symposium

Small Solutions for Big Water-Related Problems

Innovative microarrays and small sensors to cope with water quality and food security

Department of the Environment and Primary Prevention, Italian National Institute for Health, Viale Regina Elena, 299
00161 Roma (Italy)

Rome, October 26-28 2014



Second Announcement



Universal microarrays for the evaluation of fresh-water quality based on detection of pathogens and their toxins



Rationally Designed Aquatic Receptors

General description of the Symposium

“Water is not a commercial product but a heritage that must be protected, defended and treated as such” (Water Framework Directive 2000/60/EC)

There is a close relationship between the quality of aquatic ecosystems and human health. This relationship stems primarily from the direct or indirect consumption of water polluted by toxic chemicals and/or contaminated by pathogenic organisms. However, there are also other ways in which water quality can affect human health and economy. Use of contaminated water for irrigation, food processing and animal breeding, including aquaculture can have indirect, yet equally serious health and economical consequences. Furthermore, the health threat posed by unsafe waters is bound to increase in the future as a consequence of both demographic and climatic changes. Monitoring water quality is therefore of paramount importance for safeguarding public health and efficient primary preventive measures are required to cope with the rapid spread of pathologies linked to the progressive deterioration of the environment.

Symposium topics

Microchip technology applied to water quality evaluation

Rapid and efficient methods to monitor the presence of emerging and re-emerging pathogens in aquatic ecosystems

Aquatic biosensors

Toxins detection in freshwater

Detection of endocrine disrupting chemicals in water and liquids such as milk and fruit juices

Cyanophages as a potential means to mitigate algal blooming

Climatic change and aquatic ecosystems

General Information

Registration of the attendees will start at 3:00 pm, October 26, 2014 and will be followed by a welcome cocktail. The scientific program of the Symposium will occupy the entire days of October 27 and 28.

The Symposium is co-organized by two EC consortia, the μ AQUA (Universal microarrays for the evaluation of fresh-water quality based on detection of pathogens and their toxins) and RADAR (Rationally Designed Aquatic Receptors). The local logistic and scientific organization is the responsibility of the Department of the Environment and Primary Prevention of the Italian National Institute for Health (Istituto Superiore di Sanità, ISS).

about RADAR project <http://www.fp7-radar.eu/>

about μ AQUA project <http://www.microaqua.eu/>

Venue

Pocchiarri Conference Room, Istituto Superiore di Sanità (ISS),
Viale Regina Elena, 299 – 00161 Rome, Italy (<http://www.iss.it/>)
Tel. +39 06 4990 2773/fax +39 0649902577



Istituto Superiore di Sanità



Registration

Registration should be made using the form found in this web site under Registration.

Registration fees: by July 20, 2014 (Extended to 31st July): € 150 (regular attendee) or € 50 (student); after July 20, 2014 (Extended to 31st July): € 200 (regular attendee) or € 75 (student). Payments should be made by money transfer according to the instructions given under Registration.

Abstracts

Poster abstracts should be written according to the format found in this web site under Poster and submitted electronically to Stefania Marcheggiani (stefania.marcheggiani@iss.it) by May 31, 2014 (Extended to 31st July). The scientific committee will evaluate the abstracts by July 10, 2014 (Postponed to 10th September) and establish a ranking list based on their relevance, novelty and quality. The eight best abstracts will be selected for a 20'+ 5' oral presentation and will receive a small (€ 40) prize. The next ten ranking abstracts will have the opportunity of being presented in short oral talks (7'+ 2'). *The International Journal of Environmental Research and Public Health* will devote a special issue to the symposium. Thus, all the talks and posters presented at the symposium will have the opportunity to be considered for publication in this special issue. The instructions for the authors and the deadline for the submission of the articles will be communicated at a later stage

Posters

Posters should be prepared according to the instructions given in this web site under Poster. All posters will be displayed for the entire duration of the Symposium.

Lodging

Several lodging opportunities (from B&B to 4 Stars Hotels) within walking distance of the ISS are listed under Practical information. Indicative prices range from €60 to €150 / person / night.