



International Summer School on Biotechnology



INTERNATIONAL SUMMER SCHOOL

“MRI, RAMAN and Food Technologies”

11-15 June 2012 - Alghero, Sardinia, Italy

Open Seminars



REGIONE AUTONOMA DELLA SARDEGNA



**Porto Conte
Ricerche**

Regione Autonoma della Sardegna is investing into R&D programs focusing on specific key-areas such as ICT, Alternative Energy, Biotechnologies and Biomedicine, aiming at enhancing the social and economic development of the island. The Summer School is intended to facilitate permanent relationships with international research teams on the fields of Biotechnology applied to food science.

As part of the Summer School program, Porto Conte Ricerche will offer to anyone interested an excellent selection of open seminars.

Speakers

Nils Kristian Afseth

Norwegian Institute of Food, Fisheries, and Aquaculture Research, Osloveien 1, Norway

Walter Dastrù

Department of Pharmacy, University of Torino, Italy

John van Duynhoven

Wageningen University, The Netherlands

Eliana Gianolio

Department of Chemistry and Molecular & Imaging Center, University of Torino, Italy

Joseph Irudayaraj

Agricultural & Biological Engineering, Purdue University, West Lafayette, USA

Francesco Moneta

Bruker Italia

Diego Sali

Bruker Italia

**In order to attend the seminars, please register at:
summerschool@portocontericerche.it**

The admittance is free

Course Venue and contacts

Porto Conte Ricerche Centre,
S.P. 55 Porto Conte-Capo Caccia Km 8,400,
Loc. Tamariglio, 07041 Alghero (SS) Italy
phone + 39 079 998400 - fax + 39 079 998567
summerschool@portocontericerche.it - www.portocontericerche.it

Monday June 11, 2012

10.30

Keynote Speakers

Walter Dastrù

The basics of MRI

Tuesday June 12, 2012

09.30

Company talks

Francesco Moneta

MRI scanner for food analysis: principal components and configurations

10.30

Keynote Speakers

Eliana Gianolio

MRI and Molecular Imaging

11.45

Keynote Speakers

John van Duynhoven

Non-invasive MRI assessment of moisture migration in foods during processing and shelf-life

Wednesday June 13, 2012

09.30

Keynote Speakers

John van Duynhoven

MRI study on the impact of pre-treatment and drying on the microstructure of carrot and its rehydration behavior

10.30

Company talks

Diego Sali

Basics of Raman imaging and instrumentation

11.45

Keynote Speakers

Nils Kristian Afseth

Raman spectroscopy and imaging in food science - state of the art and future perspectives

Thursday June 14, 2012

10.30

Keynote Speakers

Joseph Irudayaraj

Bionanosensing using Raman spectroscopy for food safety

11.45

Keynote speakers

Joseph Irudayaraj

Quantification using surface-enhanced Raman spectroscopy (SERS)