

PRELIMINARY SCIENTIFIC PROGRAM

09.06.2010

SESSION 1. Trace element and mineral analysis of environmental and biological samples: bulk determination, speciation and quality control.

LECTURE: *Redox biology and selenium* by Vadim Gladyshev (USA).

GABRIEL BERTRAND AWARD

LECTURE: *Quality assessment of analysis* by Andrew Taylor (UK).

ROUND TABLE. Trace elements in food fortification: benefits and questions.

10.06.2010

SESSION 2. Trace elements and minerals in physiology, sport medicine and rehabilitation.

LECTURE: *Iodine* by Michael Zimmermann (Switzerland).

SESSION 3. Trace elements, minerals, reproductive health and paediatrics.

LECTURE: *Trace elements in pathogenesis of alcohol embryopathy* by Carl Keen (USA).

SESSION 4. Trace elements and nutrigenomics.

LECTURE: *Trace elements and ageing* by Catherine Meplan (UK).

ROUND TABLE. Trace element investigations in "omics" era: toward the clinical use.

POSTER SESSION 1.

11.06.2010

SESSION 5. Trace elements, minerals and cancer.

LECTURE: *Trace elements and cancer treatment* by Philippe Collery (France).

SESSION 6. Trace elements and minerals in neurology and psychiatry.

LECTURE: *Zinc dyshomeostasis and neuronal injury* Stefano Sensi (Italy).

SESSION 7. Trace elements and minerals in cardiovascular diseases, diabetes and metabolic syndrome.

LECTURE: *Trace elements in cardiovascular research* by Eliseo Guallar (Spain).

ROUND TABLE. Trace elements, ageing and longevity: what is possible?

POSTER SESSION 2.

12.06.2010

SESSION 8. Trace elements in intensive care.

LECTURE: *Fe regulatory proteins, Hpcidin* by Matthias W. Hentze (Germany).

SESSION 9. Trace element and mineral toxicity: aspects of environmental, forensic, occupational and medical toxicology.

LECTURE: *Metallothionein from yeasts to mammals: a protein still in search of a function* by Emilio Carpenè (Italy).

SESSION 10. Trace elements, minerals and osteoporosis; trace elements in dentistry.

LECTURE: *Polymetalacrylates: a new generation of effective local hemostatics possessing antimicrobial, wound-healing, burn-healing and other beneficial properties* by Mikhail G. Voronkov (Russia).

ROUND TABLE. Trace elements in modern pharmacology.