

Directed to

Both young and senior investigators that wish to deepen their knowledge on molecular epidemiology and use of biomarkers in human population studies

Please contact us with any questions you may have

biomarkers2014porto@gmail.com

Biomarkers 2014

Spring school on human populations studies with genetic biomarkers

Porto 19th-21st May 2014

Important dates

Spring School

19th-21st May 2014

Registration deadline

5th May, 2014

Designed for young investigators interested in human populations studies the Spring School Biomarkers 2014 will address the founding concept of molecular epidemiology, clarifying major concepts and definitions to predict cancer risk, to establish cancer burden, to further classify diseases in addition to pathological classification, to evaluate chemo-prevention or intervention.

Prof. Stefano Bonassi

a recognized expert in molecular epidemiology will be the lecturer of this course

Organisation

Instituto Nacional de Saúde
Doutor Ricardo Jorge



Programme

Monday, 19 May

09.30 - 10.30

Introduction and course overview

10.30 - 11.30

Biomarkers in human genetic monitoring (Practical and theoretical issues)

COFFEE BREAK

12.00 - 13.00

Biomarkers of exposure and risk assessment

LUNCH

14.00 - 15.00

Biomarkers and early biological effect

15.00 - 16.00

Statistics and Biomarkers (I)

16.00-17.00

Field studies: Presentation and discussion

Dr. Blanca Laffon: *Biomonitoring health effects of exposure to oil spills: the Prestige experience*

Tuesday, 20 May

09.30 - 10.30

Statistics and Biomarkers (II)

10.30 - 11.30

Biological sampling in population studies

COFFEE BREAK

12.00 - 13.00

Can biomarkers predict disease in healthy subjects?

LUNCH

14.00 - 16.00

Genetic variability in population studies and gene-environment interaction

16.00-17.00

Field studies: Presentation and discussion

Dr. Vanessa Valdiglesias: Biomarkers of frailty in the elderly

Wednesday, 21 May

09.30 - 10.30

Observational Epidemiologic studies: Design

10.30 - 11.30

Study design in molecular epidemiology

COFFEE BREAK

12.00 - 13.00

Observational Epidemiologic studies: Analysis

LUNCH

14.00 - 15.00

High throughput technologies in human population studies

15.00 - 15.30

Ethical, social and legal implications of population studies with genetic biomarkers

15.30-16.30

Field studies: Presentation and discussion

Dr. Carla Costa: *Genetic damage and susceptibility in farmers. A comparison between organic and traditional farming.*

15.30-16.30

General Discussion and conclusion