



Workshop 5 | OMICS, advances, applications and translations in nutrition and epidemiology

Organizers: Miguel Ángel Martínez (Pamplona, Spain) and Frank Hu (Boston, USA)
Day: Wednesday 30 May
Time: 08.30-17.30h
Meeting room: MR12+13

Wednesday, 30 May

Joint Session Workshop 5 and Workshop 7 :

OMICS, advances, applications and translations in nutrition and epidemiology & Obesity-CIBEROBN

Bringing together experts in emerging omics techniques, with an emphasis on recent advances, applications in populations-based research, integration with nutrition, and translational applications.

Chairs : Frank Hu and Miguel A. Martínez-González

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| 08.30-09.00 | W5/W7-L1 Systems epidemiology, nutrition and omics
Frank B. Hu (Boston, USA) |
| 09.00-09.30 | W5/W7-L2 Methods in metabolomics profiling
Clary Clish (Cambridge, USA) |
| 09.30-10.00 | W5/W7-L3 Use of metabolomics and other omics in cohort studies of nutritional epidemiology
Elio Riboli (London, UK) |
| 10.00-10.30 | COFFEE BREAK |
| 10.30-11.00 | W5/W7-L4 Mediterranean diet, metabolomics and cardio-metabolic health
Miguel A. Martínez-González (Pamplona, Spain) |
| 11.00-11.15 | W5/W7-L5 Mediterranean diet, lipidomics and the risk of CVD and type 2 diabetes
Estefanía Toledo (Pamplona, Spain) |
| 11.15-11.30 | W5/W7-L6 Mediterranean diet, metabolomics and the risk of peripheral artery disease and heart failure
Miguel Ruiz-Canela (Pamplona, Spain) |
| 11.30-12.00 | W5/W7-L7 Metabolomics, proteomics and nutrition in the epidemiology of atrial fibrillation
Alvaro Alonso (Atlanta, USA) |
| 12.00-13.00 | LUNCH |

52nd Annual Scientific Meeting of the European
Society for Clinical Investigation
“Precision medicine for healthy ageing”
Barcelona, May 30th to June 1st 2018



- 13.00-13.30 **W5/W7-L8a | Small metabolites in the pathophysiology of the metabolic syndrome**
Chi-Hao Lee (Boston, USA)
- 13.30-14.00 **W5/W7-L8 | Virgin olive oil, wine, their urinary metabolites and metabolic pathways in cardiovascular prevention**
Rafael de la Torre (Barcelona, Spain)
- 14.00-14.30 **W5/W7-L9 | Microbiota and obesity**
J. Alfredo Martínez (Pamplona, Spain)
- 14.30-15.00 **W5/W7-L10 | Dietary patterns and cardio-metabolic and endocrine biomarkers**
Deirdre Tobias (Boston, USA)
- 15.00-15.30 **W5/W7-L11 | Using metabolomics for an improved assessment of dietary intake**
Shilpa Bhupathiraju (Boston, USA)
- 15.30-16.00 **W5/W7-L12 | Metabotyping for tailored dietary advice and precision nutrition**
Lorraine Brennan (Dublin, Ireland)
- 16.00-16.30 COFFEE BREAK
- 16.30-17.00 **W5/W7-L13 | Training and education for personalized nutrition**
Martin Kohlmeier (Chapel Hill, USA)
- 17.00-17:30 **W5/W7-L14 | Conclusions and closing remarks**
Frank B. Hu and Miguel A. Martínez-González
- 17:30-19:00 OPENING CEREMONY & LECTURE IN ROOM MR10+11
19:30-21:00 WELCOME RECEPTION COCKTAIL