

# FEBS Advanced Lecture Course 2018 I Redox-omic Technologies and their Application in Health and Disease

## Monday, 2018/9/17

### Lecture Hall

- 19:00 - 19:30 Welcome & 'omics Welcome or Overview
- Professor Andrew Pitt - Welcome to the FEBS Advanced Lecture Course on Redox-omic Technologies and their Application in Health and Disease>Dr Niki Chondrogianni - What is Omics?
- Professor Helmut Sies - Redox biology and signaling: historical perspectives to current status

### Dining Room

- 20:30 - 23:30 Dinner

## Tuesday, 2018/9/18

### Lecture Hall

- 09:30 - 10:00 FEBS / IUBMB Overview Welcome or Overview
- Professor Claude Thermes - Introduction to modern genomics tools
- Dr Juan Sandoval - Epigenomics and precision medicine
- Professor Andrew Pitt - The principles and practice of LC-MS in omics research

### Dining Room

- 11:00 - 11:30 Coffee break Coffee Break

### Poster Room

- 19:30 - 20:30 Poster Session Poster Sessions

## Wednesday, 2018/9/19

### Lecture Hall

- 09:30 - 10:00 SFRR - Europe Welcome or Overview
- Professor Michael Davies

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Dr Karl Burgess - Introduction to metabolomics and its application to biological samples

Professor Coral Barbas - Metabolomics and oxidative stress biomarkers a complex interplay of tools to approach different diseases

Dr Dominik Schwudke - Basics of lipidomics for performing biomedical research

Professor Corinne Spickett - Phospholipid oxidation and advances in ox-lipidomics

## Dining Room

11:00 - 11:30 Coffee break

Coffee Break

## Poster Room

19:30 - 20:30 Poster Session

Poster Sessions

## Thursday, 2018/9/20

### Lecture Hall

09:30 - 10:00 EuPA

Welcome or Overview

Dr Viviana Greco

Dr Cecile Gladine - Lipidomics of oxylipins and HNE

Professor Hulya Bayir - Redox lipidomics: Clinical applications

Dr Adelina Rogowska-Wrzesinska - Principles of proteomics

Dr Jennifer Van Eyk - Analysis and effects of protein cysteine oxidation

## Dining Room

11:00 - 11:30 Coffee break

Coffee Break

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## Poster Room

19:30 - 20:30 Poster Session

Poster Sessions

## Friday, 2018/9/21

### Lecture Hall

09:30 - 10:00 MASSTRPLAN / other networks  
Professor Corinne Spickett

Welcome or Overview

Dr Brian McDonagh - Analysis of oxPTMs in muscle proteins

Dr Viviana Greco - Studies of protein sulfhydration in disease

### Dining Room

11:00 - 11:30 Coffee break

Coffee Break

### Cultural Excursion

15:30 - 20:30 Cultural Excursion

## Saturday, 2018/9/22

### Lecture Hall

09:30 - 10:00 Equality and Diversity in Science

Meet the Experts

Professor Marzia Perluigi - Applications of redox proteomics in neurodegenerative diseases

Professor Anna-Liisa Levonen - Protein lipoxidation in cell signaling

Dr Aristotelis Chatziioannou - Data Integration and Signature-aided Functional Interpretation as cornerstones for standardised analysis of omic data

Dr Niki Chondrogianni - Combined omics approaches in the study of human aging

# FEBS Advanced Lecture Course 2018 I Redox-omic Technologies and their Application in Health and Disease

## Dining Room

11:00 - 11:30 Coffee break

Coffee Break

## Poster Room

16:00 - 17:00 Poster Session

Poster Sessions