

2015 Symposium on Carnosine and histidine dipeptides

7-8 June 2015, Gabicce Mare (PS), Italy

Scientific Committee: Giancarlo Aldini and Wim Derave

Local organizer: Giancarlo Aldini

Sunday, June 7

14:00 - 14:45

Registration

14:45 - 15:00

Welcome - Giancarlo Aldini and Wim Derave

I SESSION – Carnosine Biochemistry and Pharmacology

Chair: Ethan Anderson and Shahid Baba

15:00 - 15:40

Shahid Baba, University of Louisville (USA)
Dipeptide pill for ischemic injury

15:40 - 16:00

Mara Colzani, University of Milan (Italy)
Carnosine and derivatives as sequestering agent of reactive carbonyl species

16:00 - 16:40

Frank Gaunitz, University Hospital Leipzig (Germany)
Cancer cell metabolism under the influence of carnosine

16:40 - 17:00

Coffee break

17:00 - 17:40

Alan Hipkiss, Aston Research Centre Aston University (UK)
Differential effects of carnosine on energy metabolism in yeast

17:40 - 18:20

Ethan Anderson, East Caroline University (USA)
The carnosine-mimetic FL-926-16 mitigates metabolic disease and cardiomyopathy in mouse models of diet-induced obesity

19:30

Welcome cocktail

20:00

Dinner

Monday, 8 June

III SESSION – Carnosinase, carnosine synthase and carnosine homeostasis

Chair: Wim Derave

9:00 - 9:40

Benito Yard, Germany University of Heidelberg (Germany)
Carnosinase expression in Diabetic Nephropathy

9:40 - 10:20

Verena Peters, University of Heidelberg (Germany)
Regulation of Carnosinase

10:20 – 10:40	Jan Stautemas , Ghent University (Belgium) <i>Vit B6 and muscle carnosine homeostasis</i>
10:40 – 11:00	Tim Weigand , University of Heidelberg (Germany) <i>Carnosine metabolism in renal cells</i>
11:00-11:20	Coffee break
11:20- 12:00	Laura Blancquaert , Ghent University (Belgium) <i>Beta-alanine degradation and tissue carnosine homeostasis</i>
II SESSION – Analytical methods for carnosine measurement Chair: Verena Peters	
12:00 - 12:20	Tina Bex , Ghent University (Belgium) <i>Non-invasive muscle carnosine measurement as muscle fiber typin</i>
12:20 - 12:40	Luca Regazzoni , University of Milan (Italy) <i>Profiling histidine dipeptides and their adduct with carbonyl species by MS in biological matrices</i>
IV SESSION – Intervention studies Chair: Benito Yard	
12:55 - 14:30	Lunch
14:30 - 15:10	Barbara Ukropcova , Slovak Academy of Sciences (Slovakia) <i>Carnosine in association with prediabetes and type 2. diabetes: cross-sectional and intervention studies</i>
15:10 - 15:30	Weiliang Chung , Victoria University (Australia) <i>Effect of carnosine loading and high-intensity interval training on endurance cycling performance</i>
15:30 - 15:50	Silvia Barbaresi , Ghent University (Belgium) <i>Dietary assessment of human dipeptide ingestion</i>
15:50 - 16:05	Coffee break
16:05 - 16:45	Jozef Ukropec , Slovak Academy of Sciences (Slovakia) <i>Carnosine supplementation increases muscle strength in trained individuals: MRS studies</i>
16:45 – 17:25	Elisabete Forsberg , Karolinska Institute (Sweden)

Carnosine decreases IGFBP1 production in db/db mice through suppression of HIF-1

17:25

Round table: Carnosine consortium: perspectives on European grants

20:00

Dinner