



COST BM1005 European Network on Gasotransmitters

Management Committee and Work Group Meeting

October 8-10, Ghent, Belgium

Venue

Ghent University Convention Center “Het Pand”

Onderbergen 1, 9000 Gent, Belgium

Wednesday October, 8:

WG4: Chair Peter Brouckaert

13:45 Welcome

14:00 Guy Brusselle (Ghent University, Ghent Belgium):

“Role of soluble guanylyl cyclase in chronic obstructive pulmonary disease (COPD)”

14:30: Andreas Papapetropoulos (Athens University, Athens, Greece)

“Basic and translational pharmacology of H₂S donors”

15:00: Harald Schmidt (Maastricht University, Maastricht, The Netherlands)

“NOS, NOX and sGC in stroke”

16:00 coffe break

16:30 Keynote : J-L Balligand (UCL, Brussels, Belgium)

“NOS in the cardiovascular system”

17:20 Keynote: E. Buys (Harvard Medical School, Boston, USA)

“ Targeting cGMP-signaling in systemic hypertension and glaucoma: nitric oxide and beyond”



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Thursday October 9

WG 2: Chair Matt Whitemann

9:00 Päivi Lakkisto (Helsinki, FI)

“Plasma heme-oxygenase-1 in cardiac arrest patients”

9:30 (ESR) Ilkay Alp (Izmir, TK)

“ H₂S induced vasorelaxation in saphenous vein and relaxation to caveolae”

10:00 Karol Kramkowski (Bialystok, PL)

“Anti-platelet effect of nitrite in vivo depends on xanthine oxidoreductase (XOR)”.

10:30: coffee break

11:00 (ESR) Claudia Queiroga (Oeiras, PT)

Non-cell autonomous role of CO: purinergic signaling to prevent neuronal apoptosis by astrocyte metabolism modulation

11:30 (ESR) Abbas Abou-Hamdan (Paris, FR)

"Positive feedback during sulfide oxidation/poisoning controls cellular affinity for oxygen".

12:00 Maria Monsalve (Madrid, ES)

"Nitric oxide regulation of mitochondrial function and its role in angiogenesis".

12:30 Martine Vanhoucke (Belgian Consortium of Culture Collections)

“An ENOG plasmid collection?”

12:30 lunch

14:30 Management Committee

17:30 WG leader meeting



Friday October 10

WG 3: Chair: Giuseppe Cirino

09:00 Matt Whiteman (Exeter, UK)

“Gasotransmitters in photodynamic therapy”

9:30 Ulrich Schatzschneider (Würzburg, D)

“Novel strategies for red-light phototriggered CO release for deep tissue penetration”

10:00 (ESR) Christophe Steiger (Würzburg, D)

“Oral drug delivery of therapeutic gases - Carbon monoxide release for gastrointestinal diseases”

10:30 Coffe break

11:00 (ESR) Lauren Wareham (Sheffield, UK)

“Dissecting the physiological effect of CO, CO-RM’s and inactive i-CORMs in bacteria”

11:30 (ESR) Mariana Tinajero-Trejo (Sheffield, UK)

“New generation photo-CORMs in the fight against antibiotic –resistent pathogenic enterobacteria”

11:55 Closing remarks

