



COST Action BM1005
Gasotransmitters: from basic science to therapeutic applications
(ENOG: European Network on Gasotransmitters)

Working Group 3 Meeting
18th May 2013

Plaza Hotel, Anavyssos, Greece

Local Organizer: Prof. Giuseppe Cirino

FINAL PROGRAM

17 May 2013 Arrival

18 May 2013

9.00-9.30 Giuseppe Cirino (IT) WG3 leader: Outline of the pitfalls in the H₂S field: measurement, donors and inhibitors

9.40-10.10 Thomas Roger (FR): New approaches for the study and comprehension of the role of hydrogen sulfide in biology

10.10-10.40 Frederic Bouillaud (FR): SQR and the nM limit for free sulfide concentrations within cells and external medium

10.40-11.00 Coffee Brake

11.00-11.30 Athanassios Giannis (DE): Development of modulators of H₂S-signaling

11.30-12.00 D'emmanuele di Villabianca R (IT). Human tissues and hydrogen sulphide

12.00-12.30 Elise Hedegaard (NO). Hydrogen sulphide induces relaxation without changes in smooth muscle cell calcium in rat small arteries

12.30-13.30 Discussion on the offer of Br. J. Pharmacol. and J. Pharmacol. Exp. Ther. to publish gasotransmitter-related articles. Preparations of WG3 members to put together invited articles for Br. J. Pharmacol. and J. Pharmacol. Exp. Ther.

13.30-14.30 LUNCH

14.30-15.00 Peter Nagy (HU) Chemical aspects of hydrogen sulfide measurements in physiological samples

15.0-15.30 Andreas Papapetropoulos (GR) A side-by-side comparison of the performance of fluorescent probes to detect H₂S available



15.30-16.00 General discussion on publishing position papers on H₂S measurement techniques.

16.00-17.00 Brain storming on inhibitors of H₂S synthesis and H₂S donors. Current state, future directions.



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