



**Training School on  
“Gasotransmitter Chemistry and Biology”**  
Villa Orlandi, Anacapri, Capri Island, Italy 27-30 March 2014

**PROGRAMME**

**Thursday 27 March 2014**

15:00-19:00 Registration and documents collection

*20.30 Welcome dinner*

**Friday 28 March 2014**

**9.00-10.30 Chemistry I:** Important chemical reactions for the biological actions of NO, CO and H<sub>2</sub>S  
Jon Fukuto (USA)

**10.30-12.00 Chemistry II:** Tools and techniques for gasotransmitters detection; working with gasotransmitters  
Peter Nagy (HU)

*12.00-12.30 Coffee break*

**12.30-14.00 Chemistry III:** Problem based learning section on gasotransmitters chemistry  
Jon Fukuto (USA), Peter Nagy (HU)

*14.00-15.30 Lunch*

**15.30-17.30 Chemistry/Biology I:** Chemical and Biological aspects of gasotransmitter signaling  
Andreas Papapetropoulos (EL), Peter Nagy (HU)

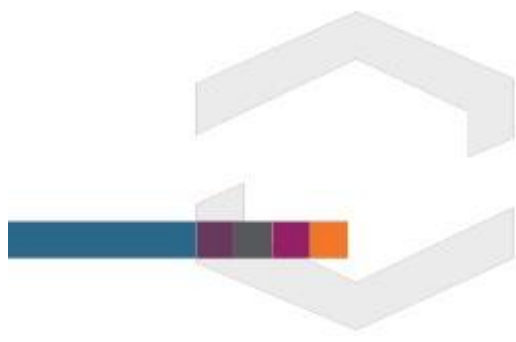
*17.30-18.00 Coffee break*

**18.00-20.00 Chemistry/Biology II:** Problem based learning section on gasotransmitter signaling  
Andreas Papapetropoulos (EL), Peter Nagy (HU)

**Saturday 29 March 2014**

**9.00-10.30 Biology I:** Physiological actions of NO, CO and H<sub>2</sub>S  
Adrian Hobbs (UK)

**10.30-12.00 Biology II:** Pharmacology of NO, CO and H<sub>2</sub>S  
Raffaella Sorrentino (IT)



*12.00-12.30 Coffee break*

**12.30-14.00**    **Biology III:** Problem based learning on physiology and pharmacology of gasotransmitters  
Adrian Hobbs (UK), Raffaella Sorrentino (IT)

*14.00-15.30 Lunch*

**15.30-17.30**    **Biology IV:** Canonical and alternative reactions of hydrogen sulfide producing enzymes/Genetic defects  
Viktor Kozich (CZ)

*17.30-18.00 Coffee break*

**18.00-20.00**    **Biology V** Problem based learning section on the biochemistry and genetic defects of hydrogen sulfide producing enzymes  
Viktor Kozich (CZ)

**Sunday 30 March 2014**

**9.00-10.30**    **Biology VI:** Overview of mouse genetics  
Peter Brouckaert (BE)

**10.30-12.00**    **Biology VII** Genetic models in gasotransmitter research  
Peter Brouckaert (BE), Ingrid Fleming (DE)

*12.00-12.30 Coffee break*

**12.30-14.00**    **Biology VIII** Problem based learning on genetic models in gasotransmitter research  
Peter Brouckaert (BE), Ingrid Fleming (DE)

*14.00-15.30 Lunch*

**15.30-17.30**    **Biology IX** Role of gasotransmitters in disease development and progression.  
Peter Brouckaert (BE), Ingrid Fleming (DE), Hobbs (UK)

*17.30-18.00 Coffee break*

**18.00-19.30**    Concluding remarks-All instructors