

Location

Villa Orlandi, Anacapri, isola di Capri-Italy

Host Institute

University of Naples "Federico II"

Organizers

COST ACTION BM1005

Prof. Giuseppe Cirino

Professor of Pharmacology, University of Naples "Federico II"-Italy

e-mail: cirino@unina.it

Prof. Andreas Papapetropoulos

Professor of Pharmacology, University of Athens-Greece

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Prof. Salvatore Cuzzocrea

Professor of Pharmacology, University of Messina, Messina-Italy

e-mail: Salvatore.cuzzocrea@unime.it

Local Organizing Committee

Mariarosaria Bucci

Vincenzo Brancaleone

Executive Organizing Assistant

Valentina Vellecco

Roberta d'Emmanuele di Villabianca

Angela Ianaro

Trainees Selection Committee

Giuseppe Cirino

Peter Brouckheart

Ingrid Fleming

Matthew Whitemann

Registration Desk

The registration desk at Villa Orlandi will be open for registration, signing of attendance list and collection of COST reimbursement documents:

Thursday March 27th 15:00-19:00 (Registration, collection of documents)

Friday March 28th 09:00-11:00 (Registration, signing of attendance list, collection of documents)

Saturday March 29th 09:00-11:00 (Signing of attendance list, collection of documents)

Sunday March 30th 09:00-11:00 (Signing of attendance list, collection of documents)

Cost Action BM1005 Website www.gasotransmitters.eu

Overview

- Organiser:** Prof. Giuseppe Cirino, Department of Pharmacy, University of Naples "Federico II"
Prof. Andreas Papapetropoulos, Faculty of Pharmacy, University of Athens
- Type:** 4 days
- Where:** Villa Orlandi, Anacapri, Isola di Capri, Italy
- When:** 27-30 March 2014
- Application:** before 28 February 2014 by e-mail (cirino@unina.it)
- Participants:** limited to 15 (selected by COST BM1005 Working Group Leaders)

Course goals and overview:

- Understanding of advances and problems in measuring gasotransmitters
- Knowledge of tools available to study NO, CO and H₂S
- Comprehension of the most important biological functions and translational opportunities for gasotransmitters

Target group:

- Early Stage Researchers working on NO, CO and H₂S.
- Researchers working in laboratories participating in COST Action BM1005

Contents:

- Chemistry of gasotransmitters: reactions and detection of NO, CO and H₂S
- Genetic approaches in gasotransmitter research
- Gasotransmitter signaling
- Physiological actions of NO, CO and H₂S
- Role of gasotransmitters in disease development and progression
- Pharmacology of gasotransmitters: donors and inhibitors of endogenous synthesis

Requirements:

- Basic Knowledge of chemistry, biochemistry, molecular biology and medicine
- Experience in use of computers and of the World Wide Web

Time schedule:

- 4 days (March 27-30)
- Day 1: 15:00-19:00, Day 2: 09:00-17:00, Day 3: 09:00-17:00, Day 4: 09:00-17:00 with breaks

Evaluation:

- Solving of problems during the course
- Solving of test problems at the end of the course
- Certificates will be issued after the course

Finances:

- Participants will receive grants of 480 € for accommodation
- Participants will receive grant of 200 € for meals
- Participants will receive grants to a maximum of 420 € for travel expenses.

Practical information

Dates: 27-30 March 2014, daily 09:00-19:00 with breaks

Venue: Villa Orlandi, Anacapri, Isola di Capri- Italy

Weather: Typically Mediterranean

Currency: the local currency is Euro. Credit-cards (Visa, MasterCard, etc) are accepted almost everywhere.

Contacts:

Transportation: participants arriving at Naples International Airport “Capodichino” can reach Capri, by bus and then by boat as indicated below:

Getting from/to Naples Airport to/from Molo Beverello or Calata Porta di Massa

- 1) Alibus (shuttle-bus, transfer-bus). Bus station is outside airport and is in front of terminal 1 arrivals. Frequency: every 30 min, duration: ca. 40 min to arrive at Piazza Municipio (Molo Beverello), single ticket price: 4€
- 2) Taxis are available in front of Arrivals terminal (fare 35-50€, ca. 20 min).

Bus (Alibus): Aereoporto Capodichino - Piazza Municipio (Molo Beverello)	
Morning	Every day: 06.00, 06.30, 07.00, 07.30, 08.03, 08.27, 08.48, 09.09, 09.30, 09.51, 10.12, 10.33, 10.54, 11.15, 11.36, 11.57 Saturday and celebration days: 06.00, 06.30, 07.00, 07.30, 08.00, 08.20, 08.40, 09.00, 09.20, 09.40, 10.00, 10.20, 10.40, 11.00, 11.20, 11.40, 12.00
Afternoon	Every day: 12.18, 12.39, 13.00, 13.21, 13.42, 14.03, 14.24, 14.45, 15.06, 15.27, 15.48, 16.09, 16.30, 16.51, 17.12, 17.33, 17.54, 18.15, 18.36, 18.57, 19.18, 19.39, 20.00, 20.21, 20.42, 21.03, 21.24, 21.45, 22.06, 22.27, 22.48, 23.09, 23.30, 23.51, 00.12 Saturday and celebration days: 12.20, 13.00, 13.20, 13.40, 14.00, 14.20, 14.40, 15.00, 15.20, 15.40, 16.00, 16.20, 17.00, 17.20, 18.00, 18.20, 18.40, 19.00, 19.20, 20.00, 20.20, 20.40, 21.00, 21.20, 21.40, 22.00, 22.20, 22.40, 23.30, 23.20, 23.40, 00.00

Bus (Alibus): Piazza Municipio (Molo Beverello) - Aereoporto Capodichino	
Morning	Every day: 05.55, 06.25, 06.55, 07.25, 08.05, 08.35, 09.05, 09.35, 10.05, 10.35, 11.05, 11.35 Saturday and celebration days: 05.55, 06.25, 06.55, 07.25, 07.55, 08.25, 08.55, 09.25, 09.40, 10.05, 10.35, 11.05, 11.35
Afternoon	Every day: 12.05, 12.35, 13.05, 13.35, 14.05, 14.35, 15.05, 15.35, 16.05, 16.35, 17.05, 17.35, 18.05, 18.35, 19.05, 19.35, 20.05, 20.35, 21.05, 21.35, 22.05, 22.35, 23.05, 23.35 Saturday and celebration days: 12.05, 12.35, 13.05, 13.35, 14.05, 14.35, 15.05, 15.35, 16.05, 16.35, 17.05, 17.35, 18.05, 18.35, 19.05, 19.35, 20.05, 20.35, 21.03, 21.30, 21.55, 22.25, 22.55, 23.25, 23.55

Molo Beverello is about 5 min walk from Piazza Municipio-Alibus bus stop. Calata Porta di Massa is about 15 min walk from Molo Beverello.

Getting from/to Molo Beverello or Calata Porta di Massa to/from Marina Grande-Capri

Boat companies: Caremar (www.caremar.it) Napoli: 081 5513882 / 7201252 Capri: 081 8370700 - **Gescab-NLG** (www.navlib.it) Napoli: 081 5527209/5513236 Capri: 081 8370819 - **Gescab-Snav** (www.snav.it) Napoli: 081 4285270 Capri: 081 8377577

Azienda Autonoma Soggiorno e Turismo Isola di Capri - Tel. + 39 081 837 0424 - Info-point: Piazzetta 081 8370686, porto 081 8370634, Anacapri 081 8371524

Tickets are available at Molo Beverello or Calata Porta di Massa. PLEASE NOTE THAT MOLO BEVERELLO AND CALATA DI MASSA ARE LOCATED IN DIFFERENT PART OF THE HARBOUR ABOUT 30 MINUTES WALK FROM EACH OTHER.

See timetable below:

Napoli - Capri

Orario	Tipo	Compagnia	Porto	Prezzo / Note
05:35	Nave veloce	Caremar	Calata Porta di Massa	€ 17.80
07:00	Aliscafo/Jet	Gescab - Snav	Molo Beverello	€ 19.10
08:05	Aliscafo/Jet	Gescab - Snav	Molo Beverello	€ 19.10
09:00	Traghetto	Caremar	Calata Porta di Massa	€ 12.70
09:30	Aliscafo/Jet	Gescab - N.L.G.	Molo Beverello	€ 19.10
11:35	Aliscafo/Jet	Gescab - N.L.G.	Molo Beverello	€ 19.10
12:00	Nave veloce	Caremar	Calata Porta di Massa	€ 17.80
12:40	Aliscafo/Jet	Gescab - N.L.G.	Molo Beverello	€ 19.10
14:20	Traghetto	Caremar	Calata Porta di Massa	€ 12.70
14:40	Aliscafo/Jet	Gescab - N.L.G.	Molo Beverello	€ 19.10
16:30	Aliscafo/Jet	Gescab - N.L.G.	Molo Beverello	€ 19.10
17:25	Nave veloce	Caremar	Calata Porta di Massa	€ 17.80
19:15	Aliscafo/Jet	Gescab - Snav	Molo Beverello	€ 19.10
20:10	Traghetto	Caremar	Calata Porta di Massa	€ 12.70

Capri - Napoli

Orario	Tipo	Compagnia	Porto	Prezzo / Note
06:50	Aliscafo/Jet	Gescab - Snav	Molo Beverello	€ 19.10
07:05	Traghetto	Caremar	Calata Porta di Massa	€ 12.70
08:05	Aliscafo/Jet	Gescab - Snav	Molo Beverello	€ 19.10
09:10	Aliscafo/Jet	Gescab - Snav	Molo Beverello	€ 19.10

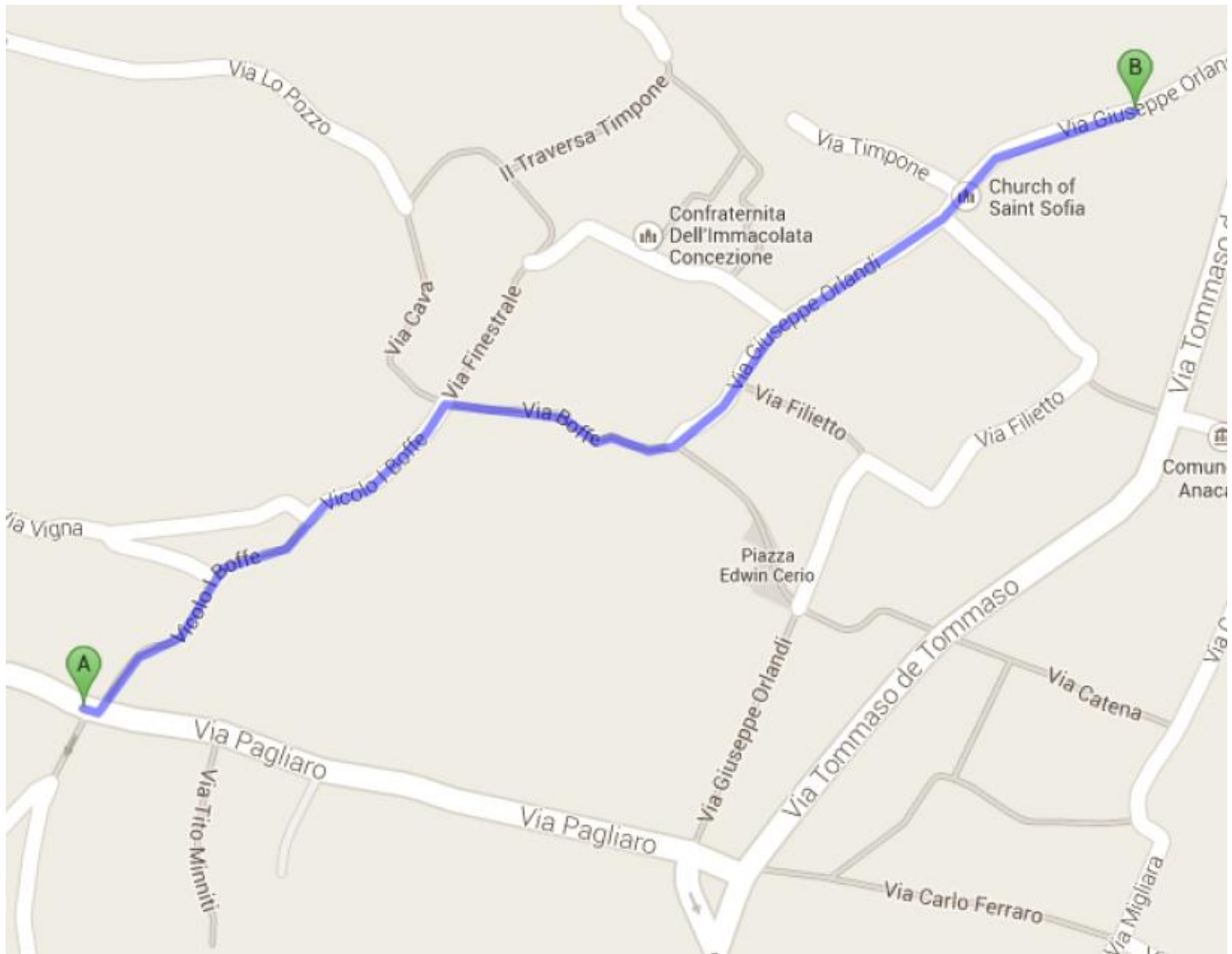
Orario	Tipo	Compagnia	Porto	Prezzo / Note
10:20	Nave veloce	Caremar	Calata Porta di Massa	€ 17.80
10:35	Aliscafo/Jet	Gescab - N.L.G.	Molo Beverello	€ 19.10
11:00	Traghetto	Caremar	Calata Porta di Massa	€ 12.70
12:40	Aliscafo/Jet	Gescab - N.L.G.	Molo Beverello	€ 19.10
13:40	Aliscafo/Jet	Gescab - N.L.G.	Molo Beverello	€ 19.10
15:35	Nave veloce	Caremar	Calata Porta di Massa	€ 17.80
16:30	Aliscafo/Jet	Gescab - N.L.G.	Molo Beverello	€ 19.10
17:00	Traghetto	Caremar	Calata Porta di Massa	€ 12.70
18:10	Aliscafo/Jet	Gescab - Snav	Molo Beverello	€ 19.10
20:15	Nave veloce	Caremar	Calata Porta di Massa	€ 17.80

Getting from/to Marina Grande-Capri to/from Villa Orlandi Anacapri.

- 1) **Autobus** from Marina Grande to Anacapri piazzetta: each 90 minutes.
- 2) **Funicolare**: Marina grande-Capri: each 15 minutes + autobus Capri-Anacapri: each 15 minutes.
- 3) **Taxi** are available in front of Arrivals terminal (fare: 50-75€, ca.20 min)

Getting from/to bus station Anacapri to/from Villa Orlandi

See map below from A: Anacapri Piazzetta (Bus station) to B: Villa Orlandi (10 min walk).



1. Go to east on **Via Pagliaro- Via Monticello** 8 m
2. Turn on the left and go to **Vicolo I Boffe** 240 m
3. Turn on the right and go to **Via Boffe** 120 m
4. Turn on the left and you are on **Via Giuseppe Orlandi** 290 m

Participants

Trainees

Trainers:

Peter Brouckaert	peter.brouckaert@ugent.be	University of Ghent, Ghent (BE)
Jon Fukuto	fukuto@sonoma.edu	Sonoma University, California (USA)
Adrian Hobbs	a.j.hobbs@qmul.ac.uk	William Harvey Center & Barts, London (UK)
Viktor Kozich	viktor.kozich@lf1.kuni.cz	Charles University, Prague (CZ)
Peter Nagy	peter.nagy@oncol.hu	National Institute of Oncology, Budapest (HU)

Guest trainers

Raffaella Sorrentino	cirino@unina.it	University of Naples “Federico II” (IT)
Ingrid Fleming	Fleming@vrc.uni-frankfurt.de	Goethe University, Frankfurt (DE)
Andreas Papapetropoulos	apapapet@pharm.uoa.gr	University of Athens (EL)

Capri



The island of Capri is situated in the Gulf of Naples, between the Italian Peninsula and the islands of Procida and Ischia. Made of limestone, its lowest part is at the center, while its sides are high and mostly surrounded by steep precipices, which contain numerous caves. Its topography is dominated by the slopes of the Solaro Mount on the West and St. Michele Mont in the East.

The name of the island derives from the name of its oldest Italic inhabitants - known to the Greeks as *Kaprie* and *Kapréai* and to the Romans as *Capreae*. Linguistic analysis refutes the Greek origin of the place name and considers the name "Capri" to derive from the language of the ancient Italic populations who settled in the area of the Gulf of Naples. The name makes reference to the goats (*capre*) which formed a characteristic aspect of the island landscape while identifying an important feature of the economy of the non-Greek community - goat farming, one of the few possible means of sustenance in an area with no space for crop cultivation and frequent water shortages. The poet Homer describes the island in the *Odyssey*, where Capri wearing the robes of the mythical mermaid enchantress from the wonderful and mysterious song. This appears still today Capri to the eye of travelers, it stands as a rock lost in the cobalt blue sea. The scent of flowers, the lively but composed contrasting colors, the reminiscent of a past that is lost in myth, *La Canzone del Mare* that changes silence in melody are just some of the ingredients of the caprese story. Capri is a world unto itself forever. Who gets there, he warns to be suddenly in front of the masterpiece of nature, a show of harmonious joy that triumphs in the soul, heart and mind. It is a Mediterranean island celebrated and exalted in the most famous lyrics. The first who discover it was Caesar Augustus in 29 BC, he loves the island and removed it from the domain of the city of Naples and baptized it with the name: Apragopoli, "la città del dolce far niente" (pleasant idleness). Also Tiberius decided to live on the island in the last years of his life and he

built twelve luxury residences dedicated to the gods of Olympus, choosing for himself, the thirteenth, Villa Jovis , a sumptuous and impregnable palace overlooking the sea, from where, it is said, that the sovereign, taciturn and suspicious, threw without thinking, who did not like, friends or foes. Since then the island alive, and almost feeds of myths, legends and scandals.

Best places to visit

There is so much to see - from the colorful port of Marina Grande to the glamorous Piazzetta where the world's beautiful people hang out; from the ruins of Emperor Tiberius' villas to the Charterhouse of San Giacomo and the spectacular Via Krupp. You can take the chair lift to the top of Solaro Mount. You can walk along paths leading to incredible rock formations such as the Natural Arch and the Faraglioni. You can marvel at the glimmering blue of the Grotta Azzurra and you can fall in love with Capri just like hundreds and thousands of visitors before you.

- 1) Natural Arch- Cave of Matermania-Pizzolungo-Tragara, a walk between
- 2) Villa Jovis, the most magnificent of all Emperor Tiberius' island residences.
- 3) Augustus Garden - Via Krupp, panoramic gardens and an incredible feat of engineering.
- 4) Charterhouse of St. Giacomo, the 14th century masterpiece in the heart of Capri.
- 5) Grotta Azzurra, Tiberius' water-filled nymphaeum, Capri's Blue Grotto.
- 6) Solaro Mount, the Island at your feet.
- 7) Villa San Michele, the marvelous museum in Axel Munthe's dream home, in Anacapri.
- 8) Villa Damecuta, the fascinating remains of Emperor Tiberius' residence in Anacapri.
- 9) San Michele church, with the majolica floor mosaic called "The Garden of Eden" in Anacapri.
- 10) Piazzetta, it may be small, but it's the most fashionable square in the world.