

The European Space Agency (ESA), the International Society for Gravitational Physiology (ISGP), the Italian Society for Space Biomedicine and Biotechnology (ISSBB), and the European Low Gravity Research Association (ELGRA) announce the ESA/ISGP/ISSBB/ELGRA Joint Life Sciences Meeting 2010 and invite international scientists to present investigative results in space and gravitational biology, physiology and experimental medicine at the joint:

LIFE IN SPACE FOR LIFE ON EARTH 2010



31st Annual ISGP Meeting

11th ESA Life Sciences Symposium

5th ISSBB Symposium

ELGRA Symposium



Organisation

The meeting runs from 13-18 June 2010 in Trieste, Italy.

The registration desk will open on Sunday afternoon, with a Welcome Reception on Sunday evening. Sessions will take place on **Stazione Marittima, Trieste Congress Centre**. On Monday to Thursday mornings there will be half-day plenary symposia with invited papers covering the following topics:

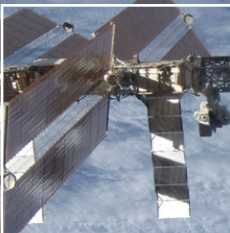
- Current concepts in gravitational physiology
- Effects of gravity on immune function
- Effects of gravity on bone and calcium metabolism
- Evolution of the vestibular system



On Monday to Thursday afternoons there will be parallel open sessions for oral and poster presentations.

Poster boards will be available for the daily poster presentations.

A chairman will be selected for each poster topic. Authors are required to mount their posters in the morning of the day of their session and to be present at their posters during the allotted time in the programme. Further information will be posted on the website in due course.



There will be a Trieste City Reception and Gala Banquet on Wednesday evening and an all-day tour of Trieste, from the Miramare castle, overlooking the Adriatic sea, through the "Terrano" wine district on the Karst plateau.



Topics of Interest

Prospective contributors are invited to submit papers on the following topics, in English:

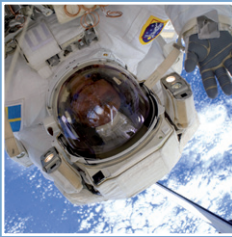
- The effects of changes in magnitude and direction of the force environment on the physiology and behaviour of humans, animals, plants and cells
- The effects of weightlessness during spaceflight
- Acute and chronic acceleration
- Impact, vibration and the various forms of simulated evolutionary consequences of gravity
- The role of gravity in the manifestation of scale effects in animals and plants
- Hypergravity and other countermeasures to microgravity
- Simulation of Lunar/Mars habitat
- Altered gravity effects for experimental medicine
- Translational research: from space research to population benefit



Venue

Trieste is located in a natural environment of particular beauty, in which the colours of the sea and of the Karst prevail and change depending on the seasons.

The challenge taken up by Trieste consists in resuming entirely the role of 'bridge town': it has always played between Western, Eastern and Central European countries. It has grown into an international city, a port of call for transoceanic lanes, an eminent centre for science and advanced research, as well as a destination for cultural, congress and naturalistic tourism. Our meeting will be held in the Stazione Marittima Congress Centre. Overlooking the sea and located in the cultural heart of the city, it is one of the main historic buildings of Trieste.



Contact

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Local Organiser

Gianni Biolo

Organising Committee

Gonnie Elfering	Chuck Fuller
Francesco Lacquaniti	Jack van Loon
Peter Norsk	Massimo Pagani
Fabio Pigozzi	Stefano Schiaffino
Patrik Sundblad	

Workshop on Exercise Countermeasures

The International Countermeasure Working Group (ICM) is organising a workshop on exercise countermeasures related to spaceflight which is partly integrated in the meeting. For more information visit: www.congex.nl/10a09.

Abstract Submission

Papers will be selected on the basis of abstracts of 200-400 words. Abstracts should be submitted online using the form on the following web page: www.congex.nl/10a09. All participants will receive an abstract book at the meeting. Abstracts must be submitted by 1 March 2010. Authors will be notified of the Scientific Committee's decision by 31 March 2010.

Proceedings

The Proceedings of the Symposium will be published as ESA Special Publication SP-685, on CD only. Papers will also be published in parallel in the Journal of Gravitational Physiology.

Authors whose abstracts have been accepted for presentation will receive instructions for the preparation of their final papers approximately two months before the symposium. Full details will also be placed on the website. Papers must be submitted before the symposium ends, thus no later than 18 June 2010.

Registration Fees

Early registration (before 1 May): €270	Regular registration (after 1 May): €330
Student registration: €120	Accompanying persons: €150

The fee includes the Welcome Reception, the Gala Dinner, the Friday tourist excursion and a copy of the Proceedings.

Young Researchers (YR)

This year the organisers will again be encouraging exceptional YRs, who are beginning their careers in space research, to present their research to an international audience. The selected students will be sponsored to the amount of 350 Euros, which will be given on arrival. In addition all YRs will qualify for the student registration fee. Any suitable PhD students or exceptional young postgraduate students should submit their abstracts and YR applications via the website before 01 March 2010.

YR applicants must be the presenting authors. Additionally, the application requires a commitment of matching institutional support. Students will be selected based on the scientific merit of their submitted abstracts.

Further details concerning the application process can be found on the website.

Accommodation and Transport

Details about hotel accommodation, local transportation and other pertinent information will be posted on the web in the near future at www.congex.nl/10a09

Event Timetable:

01 March 2010	Deadline receipt of abstracts
01 March 2010	Registration Open
31 March 2010	Notification to Authors
15 April 2010	Publication of Programme
13-18 June 2010	Conference Dates
18 June 2010	Delivery of manuscript to the editor
September 2010	Publication of Proceedings

