



# FONDAZIONE GUIDO BERNARDINI

BETTER EDUCATION FOR BETTER SCIENCE

## INTERNATIONAL SCIENTIFIC CONFERENCE

### Pain and Distress: Prevention, Assessment and Alleviation in Laboratory Animals

*Recognizing and alleviating pain and distress experienced by animals when used in biomedical research are imperatives that all personnel involved in animal care and use are required to comply with for scientific and ethical principles.*

*The new European Directive 2010/63/EU gives special emphasis to the need to improve the welfare of animals by raising the minimum standards for their protection. This can be achieved by referring to the most updated scientific knowledge of factors influencing animal welfare as well as the capacity of animals to sense and express pain and distress. The conference aims at informing veterinarians, students, researchers, investigators, animal care staff and animal welfare officers on scientific advances on pain and distress, specifically on the identification of principles for their recognition and alleviation in laboratory animals.*



*Endorsed by Italian Association for Laboratory Animal Science (AISAL)*

**29<sup>TH</sup> to 30<sup>TH</sup> June 2011** • FGB Conference Centre, Varese - Italy

## Wednesday 29<sup>TH</sup> of June

Welcome and Opening Remarks. . . . . 09:15 - 09:30

**Stress, distress and eustress: physiological and behavioural aspects** . . . . . 09:30 - 10:15

*P. Bateson*

**Neurobiology of pain and distress** . . . . . 10:15 - 11:00

*L. Calzà*

Coffee break. . . . . 11:00 - 11:30

**Nociception and pain in fish** . . . . . 11:30 - 12:15

*T.E. Horsberg*

**Early stress in laboratory rodents: experimental validity of disease models** . . . . . 12:15 - 13:00

*S. Macrì*

Lunch . . . . . 13:00 - 14:15

**The reduction of stress and anxiety in laboratory mice** . . . . . 14:15 - 15:00

*J.L. Hurst*

**Predictive values of pain and distress biomarkers: how to interpret and use them** . . . . . 15:00 - 15:45

*K. Abelson*

Tea break. . . . . 15:45 - 16:15

**Monitoring stress physiology via radiotelemetry** . . . . . 16:15 - 17:00

*A. Sgoifo*

Discussion. . . . . 17:00 - 17:30

## Thursday 30<sup>TH</sup> of June

**Multiple measures approach to pain assessment in laboratory animals** . . . . . 09:00 - 09:45

*J.V. Roughan*

**Anaesthesia and Analgesia** . . . . . 09:45 - 10:30

*P. Hedenqvist*

Coffee break. . . . . 10:30 - 11:00

**Positive Reinforcement Training to promote collaboration  
and reduce distress in non human primates** . . . . . 11:00 - 11:45

*E.-M. Wergård*

**The requirements of the Directive 2010/63/EC  
for the severity classification of procedures** . . . . . 11:45 - 12:30

*G. Perretta*

Discussion and Conclusions . . . . . 12:30 - 13:00

Lunch . . . . . 13:00 - 14:30

## Scientific Committee

Charles Gentry - M.A. (Cantab), UK

Gemma Perretta - National Research Council, IT

## Faculty

Klas Abelson - University of Copenhagen, DK

Patrick Bateson - University of Cambridge, UK

Laura Calzà - University of Bologna, IT

Patricia Hedenqvist - Swedish Agricultural University, SE

Tor E. Horsberg - Norwegian School of Veterinary Science, NO

Jane L. Hurst - University of Liverpool, UK

Simone Macrì - Superior Health Institute, IT

Gemma Perretta - National Research Council, IT

Johnny V. Roughan - Newcastle University, UK

Andrea Sgoifo - University of Parma, IT

Eva-Marie Wergård - The Swedish Institute for Infectious Disease Control, SE

## Secretarial Support

Laura De Francesco

## Workshop Venue

FGB Conference Centre, via 1° Maggio, 6 - 21020 Buguggiate (VA)

## Arriving by air

The closest airport is the Milan - Malpensa International Airport; it is situated 35 km south west of the venue; it can be reached by taxi (30 minutes) and the official fare is 60.00 euros.

## Arriving by train

The main station is located in Varese, then you can reach the venue by taxi, it will cost you about 15.00 euros.

## Arriving by car

From the A8 motorway northbound, take the exit marked "Azzate - Buguggiate", continue along SPI/Strada Provinciale 1; a few hundred meters after the exit turn right to "Buguggiate" after a small car wash; turn right at the stop sign, continue along "via Montello"; after the bridge over the motorway, on your left, you will see the Conference Centre.

## Hotel Information

Recommended hotels are located near the conference center; the rates are from 65 € to 125 € per night with breakfast. Information for the registrants will be available contacting the FGB secretary.

For registrations received by June 1<sup>st</sup>, we are able to confirm room reservations.

All requests will be honoured based upon availability at the chosen hotel upon receipt of registration.

There will be a complimentary shuttle bus organized from/to the hotel and the Conference Centre. Details will follow.



## I PLAN TO ATTEND THE CONFERENCE "PAIN AND DISTRESS: PREVENTION, ASSESSMENT AND ALLEVIATION IN LABORATORY ANIMALS"

Last Name

First Name

Title/Position

Organization/Company

Mail address

City

State

Zip

Phone

Fax

Mobile

Mail @

### Invoice Details

Organization/Company

VAT Registration Number

Mail address

City

State

Zip

### Registration Fee

☐ 360,00 €

☐ Students and AISAL members • 280,00 €

Any transaction fee made by the bank must be paid by the sender.

### Payment Method

Bank transfer to: Fondazione Guido Bernardini

IBAN: IT35 M 03359 01600 100000012331

SWIFT: BCITITMX

Reason for payment: Participant's name and Organization/Company.

### The Registration Fee Includes

Participation in the Scientific Programme

Lunches and coffee breaks

Transfers Hotel - venue - Hotel

Social dinner on Wednesday June 29

### Hotel Reservation Form • I wish to book ..... room/s

☐ Double room for single use

☐ Double room

☐ .....

Arrival Date and Flight Number

Departure Date and Flight Number

Please fill in all the fields. Send copy of pre-registration to:

**Fondazione Guido Bernardini | Via Caldera 21 20153 Milano Italy**

**Tel. : +39 02 45 07 67 87 • fax. : +39 02 45 07 02 12**

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