



FONDAZIONE GUIDO BERNARDINI
BETTER EDUCATION FOR BETTER SCIENCE

THE DIGITAL (R)EVOLUTION?

TECHNOLOGIES TO POWER
ANIMAL FACILITIES AND SCIENCE

October 4-5, 2018
FGB Conference Centre
Varese | Italy

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www.fondazioneguidobernardini.org



- Explore smart technologies for operational efficiency and animal welfare
- Discover Industry 4.0 and its application in the field of Lab Animal Science
- Learn about Big Data management and its security

Animal facilities are becoming more and more complex microcosms where multiple interests are deeply interrelated; the facility management must comply with the legal requirements, apply the best practice in animal maintenance and be tuned with the needs of scientific research. All these aspects represent a challenge for the operational efficiency of the facility and require a combination of technologies for supporting and optimizing the well-functioning of all the components involved. **The Digital Revolution** refers to the digital technology as the current trend of automation and data exchange that meet new challenges and strengthen the modernization of research institutes, including animal facilities.

✓ TOPICS

This seminar will illustrate fields of application of innovative technologies as well as their benefits in term of **operational efficiency** and **animal welfare** through the review of their potential added values. What are the needs of the researchers and how digital technologies might help to improve the quality and quantity of scientific outputs will also be discussed. How to design, implement and support an IT infrastructure in a complex research context, combining massive data generation, **real time accessibility** and **security**, will be also tackled together with the new skills and training requirements of personnel using such technologies.

🎯 GOALS

The seminar's objective is to offer the participants an overview of innovative technologies applicable to animal facilities and research institutes. Speakers who have already adopted such technologies will share and discuss their own experiences and achievements.

👤 TARGET

The seminar is addressed to **facility managers, veterinarians, scientists, IT specialists** and to all those who have an open mind on innovative technologies and look at them as opportunities to improve their working experience.



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Thursday, October 4th

Opening registration	1.00 PM
Welcome and introduction to the course - Jan-Bas PRINS - Leiden University Medical Center, Leiden, the Netherlands	1.30 PM
Industry 4.0: the digital (r)evolution. Opportunities, key elements and application examples - Gabriele CARAGNANO - PWC, Italy	1:45 PM
Why should we join the digital revolution? Opportunities for science and facilities - Carmine STRAGAPEDE - UBIQUIT, Italy	2.30 PM
Research and animal data: the integration challenge - Chris COSGROVE - ImCos Group, Canada	3.00 PM
Coffee Break	3.45 PM
Information and data management through automation: the needs and prospective of the Vivarium operation managers and Veterinarians - Jan-Bas PRINS - Leiden University Medical Center, Leiden, the Netherlands	4.15 PM
Data, data and more data ... the researchers prospective - Simon Harvey MARRIOTT - AstraZeneca, UK	4.45 PM
Industry 4.0: existing and future cases of application in the Lab Animal Research buildings and operations - Marco PAGANI - IWT, Italy	5.15 PM
Day 1 - Round Table Discussion	5.45 PM
Get together event dinner in Varese downtown	8.00PM

Friday, October 5th

Home cage (r)evolution: overview of rodent housing technology developments from basic shoe boxes to laboratory instruments - Giorgio ROSATI - Tecniplast, Italy	9.00 AM
Digitalization around the Small Rodent Home Cage - Baran SZCZEPAN - Novartis, US	9.20 AM
Home cage digitalization to the benefit of facility management - Jan HONETSCHLÄGER - Czech Centre for Phenogenomics, Czech Republic	10.00 AM
Coffee Break	10.30 AM
Enhancements and benefits to science resulting from the adoption of a digitalized home cage - Brun ULFHAKE - Karolinska Institute, Sweden	11.00 AM
The Digital (R)evolution in a professional organisation: the Human Resource prospective How technologies influence people and their professional development in Academic and Commercial environments. Overview of challenges, threats, multiple opportunities and the future - Toby SANDERS - Agenda Life Sciences, UK	11.30 AM
Questions and Answers	12.00 PM
Lunch Buffet	12.30 PM
Big Data secured management: spotlight on the CLOUD - Domenico RAGUSEO - IBM Security, Italy	2.00 PM
How to successfully build in a Lab Animal research center a secured infrastructure for big data management - Petr DIVINA - Institute of Molecular Genetics, Czech Republic	2.30 PM
Final Round-table discussion and closing remarks	3.00 PM



SCIENTIFIC COMMITTEE

Alberto Gobbi - IFOM , Italy

Jan-Bas Prins - Leiden University Medical Center, Leiden, the Netherlands

SECRETARIAL SUPPORT

Laura De Francesco - Fondazione Guido Bernardini

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SEMINAR VENUE

Detailed venue information will be provided in your registration confirmation

HOTEL INFORMATION

Recommended hotels are located near the conference center; information will be provided enclosed in the registration confirmation. Participants are requested to make their own hotel reservation directly with the hotels.

There will be a **complimentary shuttle bus** from/to the hotels and the Conference Centre.

REGISTRATION FORM

Last Name First Name

Organization/Company

City State

Phone Fax Mobile

E-mail address

We would like to circulate a list of participants (name and e-mail address) at the course, please tick here if you wish to be included on this list.

INVOICE DETAILS

Please provide all the information requested to avoid delays in processing the application

Organization/Company

Administration Manager E-mail

Address

City State Postcode

VAT Registration Number (if you are an individual please provide the National Identification Number)

Registration Fee 500,00 euro + 22% VAT 40,00 euro Get together dinner

The Registration Fee includes participation in the scientific programme, lunches, coffee breaks and shuttle buses (hotel/venue/hotel)

POLICY ON CANCELLATION

The event confirmation will be accompanied by the Order Acknowledgement with payment details.

The invoice will be issued within 10 days after the confirmation and cannot be changed, so please make sure you have provided us with the correct information (to be checked on the Order Acknowledgement).

Only digital version of invoices will be sent to participants.

Payment of the fee is due before the event commencement.

Cancellation policy: All cancellations must be made by writing (email or fax) to the secretary. Payment of the balance of the event is due, in full, for cancellation received after invoice raising.

Registrants who fail to attend without advance notice are liable for the entire event fee.

PRIVACY STATEMENT

The Guido Bernardini Foundation, main office in Via M. Camperio, 10, Milan, in its capacity of Owner of the data as per article 13 of the European Regulation no. 679/2016, would inform you as follows. Your personal details are collected at said foundation on the filling out of this form and are made up of such personal details as biographical data, given name and family name, residence, bank details, telematics and telephonic details and your employer should there be one. The details regarding you may be managed for the following aims: (i) participation in courses (whether free or paid); (ii) compilation of the register of presences and issuing of participation certificate; (iii) carrying out of related obligations of management, administrative and accounting type with any eventual expenses reimbursements where these have been agreed beforehand; (iv) legal obligations; (v) defence needs; (vi) IT security; (vii) for purposes of promoting the events should you agree. The legal basis of personal details management is thus principally constituted by the fulfilment of contractual obligations, fulfilment of legal obligations, legitimate interest (security and defence) and, secondarily, agreement.

As regards the sending of publicity you may always rescind, easily and without charge, agreement by using the mail shown below. Rescinding implies the non-sending of publicity mail and does not affect the details management already carried out. You have the right to oppose such management for legitimate interest in those cases provided for by the law. Your details may be communicated to: (i) banks in case of expenses reimbursement; (ii) insurance (iii) auditors (iv) consultants' office (v) PPAA, judicial authority or law chambers for legal obligations and defence purposes; (vi) event suppliers (organizers, accredited press, travel agents etc.) Your personal details will be held for the period strictly necessary for the event, the accounting details up to the eleventh year from issue. You may at any time contact the Foundation at secretary@fondazioneguidobernardini.org to avail yourself of right to access, rectify, cancel, limit the details management, data portability and other rights as per article 15 etc. of the European Regulation. You may, further, make complaint before the privacy authority in Rome www.garanteprivacy.it. Read the complete statement on the Fondazione Guido Bernardini site

Agree

NOT Agree

To the use of mail on the part of Fondazione Bernardini (art. 6 and art. 130 of Decrees 196/2003) to promote new courses or events.

Date

Signature (type name, surname)

Please save or print this form and send it
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