

LAS – Laboratory Animal Science

Workshop

Optimising the design and running of studies

Date & Place	Time	Registration	Language
Edition 1: February, 28, 2023 Training Center Bugugiate (VA)	12:30 – 18:00 (CET)	on-line	English
Edition 2: March 2, 2023 CIVIF IZS-Teramo	9:30 – 15:30 (CET)		
Scientific coordinator		Beneficiaries and accreditation	
Nicola Ferri, IZS-Teramo		Professionals involved in the care and use of animals under Directive 2010/63/EU. Training event acknowledged by the Ministry of Health on 20/02/23, with the achievement of the CFP for all animal species: - Mod. 10: 2 CFP for functions A-B, tasks VD - Mod. 11: 2 CFP for function B	

www.izs.it / www.formazione.izs.it

formazione.teramo@izs.it

+ 39 0861 3321



www.fondazioneguidobernardini.org

secretary@fondazioneguidobernardini.org

+39 02 45076787

Responds to...

The design of an experimental project involves knowledge of basic procedural and strategic principles that must be necessarily applied taking into account ethical principles and the variables in the field in order to maximise results.

In the light of the relevance of this training need, in the framework of the activities envisaged in the framework of the training joint event on alternative methods, IZS-Teramo and Fondazione Guido Bernardini promote this Satellite Workshop, in two editions.

During the event, ethical aspects, transversally treated in relation to the technical and scientific contents, will be proposed in order to maximise the expected results: the definition and the choice of the experimental design to adopt, the correct use of statistics to calculate the size of the experimental groups, the design of an optimised work programme in compliance with the 3R principles will be addressed using a problem-solving approach. The workshop will be delivered entirely in English.

The event aims to achieve the learning objectives related to Module 10, relevant to Functions A-B and to VD Task, and to Module 11, relevant to Function B, as defined by the Consensus Document of the Working Group on the development of a common framework for education and training to meet the requirements of Directive 2010/63/EU, as specified by the Decree of the Italian Ministry of Health of 5 August 2021.

Description

Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise 'G. Caporale' (IZS-Teramo) and Fondazione Guido Bernardini (FGB) are organising a joint training event on alternative methods, structured into two main sessions:

- International Conference “The multifaced universe of alternative methods in the day-to-day experimental work”
- Satellite workshop “Optimising the design and running of studies”

The aim of the Workshop is to focus on experimental design as a strategic element to improve the design skills of researchers engaged in activities involving the use of animals for scientific purposes.

At the end of the Workshop, participants will have acquired knowledge and skills relevant to

- set up an experimental design
- evaluate the different options for optimising the experimental design of experiment
- use statistical tools for the appropriate calculation of experimental group sizes
- adopt the principles of the 3Rs
- apply ethical principles to the design of the experimental design.

This event will run in presence, for a limited number of participants, and later sessions will presume attendance at earlier sessions.

Programme Edition 1

February 28th, 2023 – FGB Training Center, Bugugiate (VA) Italy

Time	Topic	Speaker/Tutor
12.00	Opening registration	--
12.30	Welcome and opening addresses	Francesco Carù <i>Fondazione Guido Bernardini</i>
12.45	Experimental design considerations Quiz, Presentation on basics, Group exercises and discussion: design fundamentals	Derek J. Fry
13.45	Aspects of design Presentation on standard designs, Group exercises and discussion: Blocks and factors, design options	Derek J. Fry
14:45	<i>Coffee break</i>	--
15.15	Sizing Presentation	Derek J. Fry
16.00	3Rs aspects: Planning an experimental sequence Presentation	Derek J. Fry
17:00	Summary of design considerations Quiz, discussion	Derek J. Fry
18:00	End of the workshop	--

Programme Edition 2

March 2nd, 2023 – CIFIV IZS-Teramo, Italy

Time	Topic	Speaker/Tutor
9.00	Opening registration	--
9.30	Welcome and opening addresses	Nicola Ferri <i>IZS-Teramo</i>
9.45	Experimental design considerations Quiz, Presentation on basics, Group exercises and discussion: design fundamentals	Derek J. Fry
10.45	Aspects of design Presentation on standard designs, Group exercises and discussion: Blocks and factors, design options	Derek J. Fry
11:45	<i>Coffee break</i>	--
12.00	Sizing Presentation	Derek J. Fry
12.45	<i>Lunch</i>	
13.30	3Rs aspects: Planning an experimental sequence Presentation	Derek J. Fry
14:30	Summary of design considerations Quiz, discussion	Derek J. Fry
15:30	End of the workshop	--

Training methodologies

Lectures will alternate with discussions to facilitate the sharing of knowledge and experiences. Practical exercise activities in subgroups will also be carried out, aimed at acquiring practical skills and operational techniques for the correct design of the experimental design.

Evaluation

At the end of the Workshop, a final test is foreseen. It consists of a set of multiple-choice questions (with only one correct answer) to be completed online no later than the third day after the event closure. It is compulsory for participants requiring CFP credits, and suggested for all the others to self-evaluate the level of acquired knowledge. The test is considered passed if 75% of the responses are correct. You will be also invited to evaluate the quality of the webinar through a brief participants' satisfaction questionnaire.

Admission requirements

The maximum number of participants is 15.

Applications will be accepted on a first-come, first-served basis, starting from 5 January, 2023.

Speakers/Tutors

Derek Fry
Manchester University

Daniele Dondossola (ed.1)
*Fondazione IRCCS Ca' Granda
Ospedale Maggiore Policlinico
Milano*

Romolo Salini (ed.2)
IZS-Teramo
