



FONDAZIONE GUIDO BERNARDINI  
BETTER EDUCATION FOR BETTER SCIENCE

Course  
**Microbiological monitoring of rodents: traditional and innovative approaches**  
Milan, Italy • September 26-27, 2019



This two-day course is one of the most successful in the FGB offer and it benefits of 10 years of experience. During two days the participants are guided by expert through the routine procedures, laboratory test programs, the interpretation of results and action plans in case of confirmed infection.

Simulation of health monitoring schemes will be delivered through interactive theoretical sessions; a workshop will present a hypothetical scenario, with needs and limitations, providing the participants with the opportunity to develop their own program with the support of the trainers. The lively discussions and the informal training environment aim to enhance the participants' knowledge and to improve their skills on everyday activities.

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| Day 1 | <b>Why should be worried about health monitoring?</b>                                       | Traditional and emerging agents<br>FELASA recommendations   |
|       | <b>Screening of animal and biologicals: Pros and Cons of traditional and new approaches</b> | Methods available<br>Interpretation of results<br>Experience from the field   |
|       | <b>Impact of caging systems on prevalence of infection and on health monitoring scheme</b>  | Open cages<br>Microisolators (static filter top cages)<br>Isolators<br>IVCs   |
|       | <b>Innovative approaches for health monitoring</b>  | Environmental PCR<br>EAD sampling   |
|       | <b>Panel discussion</b>   | Interpretation of the result  |
| Day 2 | <b>Case study: the health monitoring program of a mouse facility</b>                        | Challenges<br>Possible approaches<br>Costs  |
|       | <b>Role of pathology in HM programs</b>   | Importance of pathology for detection of infectious diseases.<br>Different scenarios for the application of pathology in HM.<br>Sampling methods  |
|       | <b>Infection detected and confirmed</b>   | Positive findings: what to do<br>Disaster plans   |
|       | <b>Incoming animals</b>   | Health certificate evaluation<br>Quarantine procedures<br>Alternative strategies <ul style="list-style-type: none"> <li>• Importation of embryos</li> <li>• Rederivation by embryo-transfer</li> </ul> Pros and cons of the different options |
|       | <b>Workshop: the definition of an health monitoring program step by step</b>                | An hypothetical scenario will be offered to the participants together with needs and limitations.<br>A program will be developed by the participants with the supports of the trainers  |

information and registration at: [www.fondazioneguidobernardini.org](http://www.fondazioneguidobernardini.org)