



FONDAZIONE GUIDO BERNARDINI
BETTER EDUCATION FOR BETTER SCIENCE

Course
**Intensive course on experimental
design and biostatistics**
Milan, Italy • March 28-29, 2019



Currently, the scientific literature is critical of the translatability of in vivo research results and of the reproducibility of research conducted with animals. There are certainly solutions on what should be done to improve the translatability and reproducibility of animal experiments.

Among the solutions, statistics and experimental design play a central role to reach better translatability and reproducibility, in addition to contribute to the Reduction arm of the ThreeRs. This workshop addresses the central question of how to design your experiments and which test to perform given your specific research questions.

This course offers lectures, exercises and discussions on these topics. The course is aimed at PhD students, postdocs, researchers, lab animal scientists and technicians, and members of Animal Welfare Bodies.

Day 1	The experimental design: how to formulate and test a proper hypothesis	Research Design
		Data analysis
		Workshop : sharing and discussing participants cases
Day 2	The experimental design: how to generalize the results	Experimental design illustrated by practical examples
		Workshop : sharing and discussing participants cases

information and registration at: www.fondazioneguidobernardini.org