

**La UO del centro 3R e il CHT dell'Università di Pavia
organizzano il corso trasversale:**

LA RICERCA SCIENTIFICA E IL PRINCIPIO DELLE 3R

Prima edizione

A cura di G. Cusella, A. Ferrigno, C. Lanni, M. Paolillo, M. Torre e L. Visai

**Il corso sarà interamente online da
MARTEDÌ 22 GIUGNO A MERCOLEDÌ 30 GIUGNO 2021**

Programma e iscrizioni al link :

<http://phd.unipv.it/corsi-trasversali-per-dottorandi/>

**Accreditamento di CFU per i dottorati universitari
delle Macroaree di Scienze e Tecnologie, di Scienza della Vita e
di Scienze Umanistiche e Sociali e del dottorato IUSS di
Scienze Biomolecolari e Biotecnologie**



LA RICERCA SCIENTIFICA E IL PRINCIPIO DELLE 3R

Educational objectives: the interdisciplinary course aims to provide knowledge on the topic of research within the 3Rs whose principles concern the ethical aspects of the use of animals in scientific experiments. The 3Rs are the initial letters of REDUCTION: reduction in the number of animals used for a specific study; REFINEMENT: improvement of experimental designs to reduce stress and suffering to animals; REPLACEMENT: replacement (even partial) of animal testing with alternative methods of comparable validity. These three words briefly describe the ethical principles that researchers should respect when undertaking animal experiments. The course therefore aims to present the main innovative applications of research within the 3Rs in order to promote a responsible experimentation. (4CFU)

PROGRAM

Tuesday 22 June 2021

Proff. G. Cusella De Angelis, Andrea Ferrigno, C. Lanni, M. Paolillo, M. Torre, L. Visai of the center 3R, University of Pavia

10.00-12.00 AM: "3R: Reduction, Refinement and Replacement and their applications"

Wednesday 23 June 2021

Prof. Federico Zuolo, moral and political philosopher of the University of Genoa

10.00-12.00 AM: Part 1 "The moral bases of experimentation on animals"

14.00-16.00 PM: Part 2 "The moral bases of experimentation on animals"

Thursday 24 June 2021

Prof. Andrea Ferrigno, University of Pavia

10.00-12.00 AM: Part 1 "In vivo testing protocols in order to reduce the number of animals"

14.00-16.00 PM: Part 2 "In vivo testing protocols in order to reduce the number of animals"

Monday 28 June 2021

Prof. Gabriele Ceccarelli, University of Pavia

10.00-12.00 AM: "Current tissue engineering approaches for mesodermal tissue regeneration: an overview"

Tuesday 29 June 2021

Prof. Michele Conti, University of Pavia

10.00- 12.00 AM: "3D modeling, In-silico trials, and digital twins for 3R"

Wednesday 30 June 2021

Prof. Nora Bloise, University of Pavia

10.00-12.00 AM: "From 2D monolayers to complex 3D cell cultures: applications in cancer research and regenerative medicine"

A cura di G. Cusella, A. Ferrigno, C. Lanni, M. Paolillo, M. Torre e L. Visai

