The UO of the 3R center and the CHT of the University of Pavia organize the transversal course:

SCIENTIFIC RESEARCH AND THE 3R'S PRINCIPLE

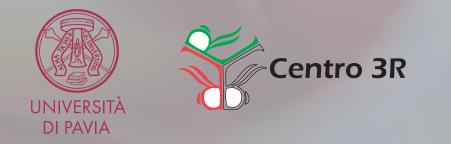
Second edition

Edited by G. Cusella, A. Ferrigno, C. Lanni, M. Paolillo, M. Torre e L. Visai

The course will be delivered online IN ENGLISH by TUESDAY 28 JUNE TO WEDNESDAY 6 JULY 2022

Program and registration at the link: http://phd.unipv.it/corsi-trasversali-per-dottorandi/

Accreditation of CFU for university doctorates of the Macroareas of Science and Technology, Life Science, Humanities and Social Sciences and of the IUSS doctorate of Biomolecular Sciences and Biotechnology





Centre for Health Technologie University of Pavia

SCIENTIFIC RESEARCH AND THE 3R'S PRINCIPLE

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 28 June 2022 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 29 June 2022

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 30 June 2022

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 4 July 2022

Prof. Gabriele Ceccarelli, University of Pavia

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

Tuesday 5 July 2022 Prof. Michele Conti, University of Pavia

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

Wednesday 6 July 2022 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"



