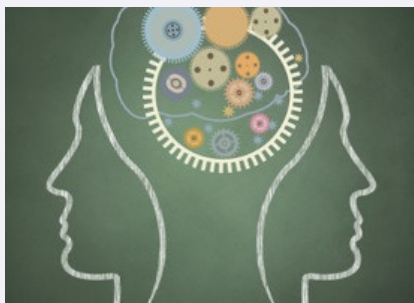
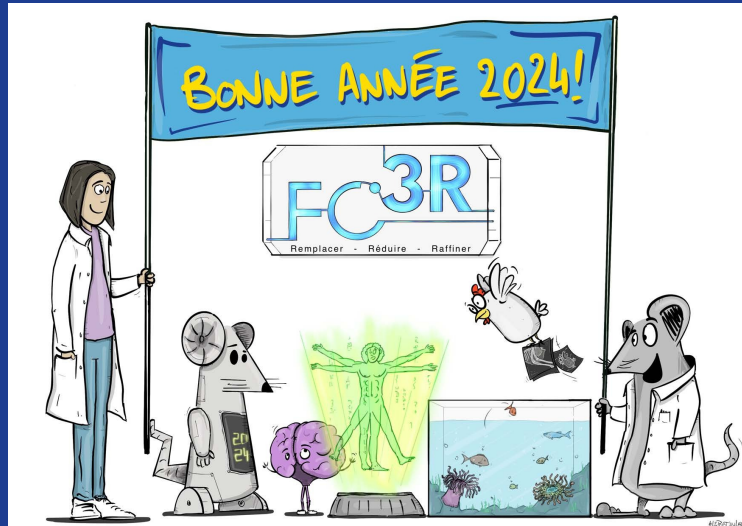




January 2024

Let's take the 3Rs forward together in 2024!



Digital twins in life sciences

3 examples of innovative approaches that have the potential in replacing and reducing animal models, thus pioneering a more ethical and scientifically robust trajectory in research methodologies.

[Read the news](#)



Next FC3R webinar

It will focus on *In vivo* imaging as a tool for reduction and refinement in the laboratory animal, and will take place on February 8, 24. It will be presented by Philippe Garrigue and Benjamin Guillet.

[Read more](#)



How can we strengthen the ethics and effectiveness of research on aquatic organisms?

On November 28 and 29, 2023, Plouzané in Brittany hosted the 6th edition of RESAMA.

[Read the news](#)

Focus on

Pioneering study in the field of organoids



Hubrecht
Institute

This pioneering study from the laboratory of Hans Clever, a leading figure in the field of organoids, employs this approach to model neuroendocrine neoplasms (NENs) disseminated in patients' bodies from lung tumors.

These in vitro tumor organoid models retain the genetic characteristics of the original tumors and reveal specific therapeutic vulnerabilities, such as the effectiveness of BCL-2 inhibitors on certain NEN subtypes. This research underscores the crucial role of organoids, filling the gap caused by the absence of suitable models, in developing targeted treatments for NENs. [Find out more](#)



Bf3R
German Centre for the Protection
of Laboratory Animals

A tool to facilitate your 3Rs bibliographical research

Discover **SMAFIRA** (Smart Feature-based Interactive Ranking), a free online tool designed to facilitate PubMed/MEDLINE searches for possible alternatives to animal experimentation, by providing relevant bibliographic citations classified according to the experimental model used. Thanks to this classification, the search for alternative methods to animal experimentation in biomedical literature will become more efficient and facilitate the implementation of the 3Rs. [Find out more](#)



**MINISTÈRE
DE L'ENSEIGNEMENT
SUPÉRIEUR
ET DE LA RECHERCHE**

*Liberté
Égalité
Fraternité*

Publication of statistics on the use of animals for scientific purposes in 2022

Statistical data on the use of animals for scientific purposes in France in 2022 has just been published on the website of the French Ministry of Higher Education and Research.

They show a 5% reduction compared with 2021 (1,802,025 animals used in 2022, versus 1,893,897 in 2021), on a like-for-like basis, without taking into account bred animals not used in an experimental procedure and genotyped by invasive techniques (which represent 326,033 animals).* [Find out more](#)

* updated on 01/24/2024

Call for proposals: Horizon Europe health cluster



Both Horizon Europe health cluster calls open until April 11, 2024.

1. Bio-printing of living cells for regenerative medicine 6 - 8 M€ (budget 2 M€).
2. Gaining experience and confidence in New Approach Methodologies (NAM) for regulatory safety and efficacy testing - coordinated training and experience exchange for regulators (budget 6-8 M€). Applications should focus on alternative methods to the use of animals. [Find out more](#)

Featured training



[Recherche reproductible : principes méthodologiques pour une science transparente](#) January 10, 2020 to December 11, 2024, Online



[Sex a biological variable: a primer](#)
Continuing education, Online



TARCFORCE3R SEMINAR
[Addressing Compassion Fatigue in Laboratory Animal Scientists and Professionals](#)

April 19, 2024
Online

THE 3R LAND CONFERENCE
[Towards the Future of Biomedical & Pharmaceutical Research with Organoid, Organ-on-Chip and In Silico Models](#)

May 21 to 23, 2024
Tübingen (Germany)

CONFERENCE [Future of animal-free biomedical research](#)

June 19, 2024 Utrecht (Netherlands)

