

Creating and falsifying data is forbidden

Twisting data is forbidden

Plagiarism is illegal

Strive for impeccable credibility and rigor

LET US BE RESPONSIBLE



Replicating experiments is a mandatory part of validating your results

It's forbidden to erase a blemish in your digital image with editing software

Storing data exclusively on a single computer could lead to data loss

Maintaining your laboratory notebook is essential

Presenting an idea prior to publication could risk the project's novelty

« Researchers need to be aware that they are accountable towards their employers, funders or other related public or private bodies as well as, on more ethical grounds, towards society as a whole.

In particular, researchers funded by public funds are also accountable for the efficient use of taxpayers' money. »

Extract from «The European Charter for Researchers»

« The purpose of research is to contribute to the development of knowledge and the advancement of science. It relies on the principles of honesty, scientific integrity and responsibility, on which the public bases its confidence in research. »

Extract from the «Integrity and responsibility in research practice» guide edited by CNRS ethics committee

<http://www.cnrs.fr/comets>

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IBMP

ethics and scientific integrity



TEN GOLDEN RULES

for responsible research



RULE No. 1

RESPECT FOR REGULATIONS IN FORCE

Conduct research responsibly

Respect the ethical obligations of your institution

Follow the directives of your employer and inform him/her about any breach

RULE No. 2

BACKUP AND DATA STORAGE

Archive and track your raw data

Record your experiments

Store and **keep** all your data in a safe place

RULE No. 3

USE OF DATA

Apply scientific **rigour** in all your work

Make sure of the **reliability** of your results

Be rigorous in the **interpretation** of your data

RULE No. 4

USE OF SOFTWARE

Use image or data processing software with **discernment** and **transparently**

Use **scriptable** software when possible (e.g. ImageJ for your images and R for your numerical data) to achieve reproducible analysis

10

golden rules

RULE No. 5

PUBLICATION OF THE RESULTS

Make a **substantial contribution** to be co-author

Do not plagiarize

Discuss the results of other authors and cite them honestly

RULE No. 6

INFORMATION AND TRAINING

Be aware of law in place

Get trained to the **critical analysis**, the writing of articles

Do the proposed training courses

Transmit the deontological and ethical codes

RULE No. 7

JOIN IN THE COLLECTIVE WORK

Accept no **discrimination**

Ban any kind of harassment

Do not interfere with the work of other researchers

RULE No. 8

MAINTAIN APPROPRIATE CONFIDENTIALITY

Comply with intellectual property rights

Do not use for your personal use, the information obtained during an evaluation

RULE No. 9

PUBLIC OUTREACH

Communicate in a simple and understandable way

Be sure of the **reliability** and **objectivity** of the information you provide

Distinguish your scientific knowledge and your opinion

RULE No. 10

RESEARCH EVALUATION

Do not hide conflicts of interests

Indicate any failure to the ethics of a person or a project

Follow the **ethical charter** of the evaluators