

Scientific research ethics

Some elements of reflection for doctoral candidates

Duration:	1 day (6 hours)
Location:	on your premises (provide overhead projector and speakers)
Calendar:	to be defined
Group:	small (from 5 to 15 people) or extended group (up to 50 people)
Public:	Doctoral candidates (from 1 st year)
Trainer:	Pierre Belle, Marine Pansu, Jean-Dominique Polack Professional confronted in theory and practice with the question of ethics in scientific research, and with great knowledge of doctoral training

The module provides elements for reflection, analysis and contextual setting. It combines theoretical and practical knowledge. It is interactive and promotes a concrete approach to the place and function of ethics in scientific approach and especially in doctoral research.

Key-words

- éthique de la recherche - *research ethics*
- intégrité dans la recherche - *research integrity*
 - conflit d'intérêts - *conflict of interest*
 - fraude scientifique - *scientific fraud*
 - plagiat - *plagiarism*
 - responsabilité – *responsibility*

Our opinion: This course is aimed at doctoral candidates from all disciplines.



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PROGRAMME

Introduction: Introducing the course and its objectives:

- develop a willingness to be reflective in face of ethical issues
- know ethical values and concepts in scientific research
- identify and consult relevant actors and normative documents

Introductory exercise: spontaneous reflection on the constraints and resources associated with the injunction to integrity and ethics for scientists

I. Ethical issues and research integrity

1. Emergence of moral and ethical issues in science
2. Definitions: morals, ethics and integrity

Case Study 1: case of ethical drift in medical research (Pfizer, Nigeria)

II. Ethics of research in France: mapping of actors and normative texts

1. Recent advances
2. The French institutional system of research ethics and its shortcomings
3. Texts and resources

Practical case: illustration, reformulation and identification of practical limits of the ethical principles defined in the "National Charter for Research Integrity"

Case Study 2: a case of ethical drift in biological research (Lyssenko, USSR)

III. Scientific misconducts: case studies

1. Some studies measuring the magnitude of the phenomenon
2. Causes
3. Typology of misconducts

Case Study 3: a case of ethical drift in psychological research (Burt, Great Britain)

Practical exercise: « Dilemma Game » from Erasmus University of Rotterdam

4. Focus on plagiarism
5. What treatment for fraud?

Conclusion: ethical issues and career for researchers