

# Research Integrity and Ethics training from undergraduate to PhD students

*An over 20 year's experience from the Faculty of Medicine and Life Sciences of Universitat Pompeu Fabra in Barcelona*

Eva Casamitjana-Martínez 1,2; Maruxa Martínez-Campos 2,3; Elisabet Moyano-Claramunt 2

1. ISGlobal, Barcelona, Spain; 2. Department of Medicine and Life Sciences, Universitat Pompeu Fabra (MELIS-UPF), Barcelona, Spain  
3. Barcelona Biomedical Research Park (PRBB), Barcelona, Spain

The Faculty of Medicine and Life Sciences of Universitat Pompeu Fabra (MELIS-UPF) launched in 1998 a Human Biology degree and a Biomedicine PhD programme, which from the outset included compulsory training in Research Integrity (RI) and Ethics.

## *BACHELOR'S DEGREE IN HUMAN BIOLOGY*

### *Bioethics*

**Target & format:** 3rd year (4 ECTs), compulsory and face-to-face

#### **Aims:**

1. To acquire a basic knowledge of concepts, theories and problems in the field of bioethics
2. To analyze bioethical problems
3. To argue personally about bioethical issues
4. To develop an open and critical attitude towards bioethical positions and arguments
5. To acquire knowledge about the Sustainable Development Goals (SDGs)

#### **Methodology:**

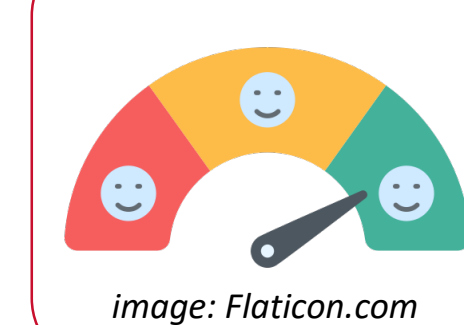
16 Theoretical Masterclasses (1 hour/each)

Participatory Sessions:

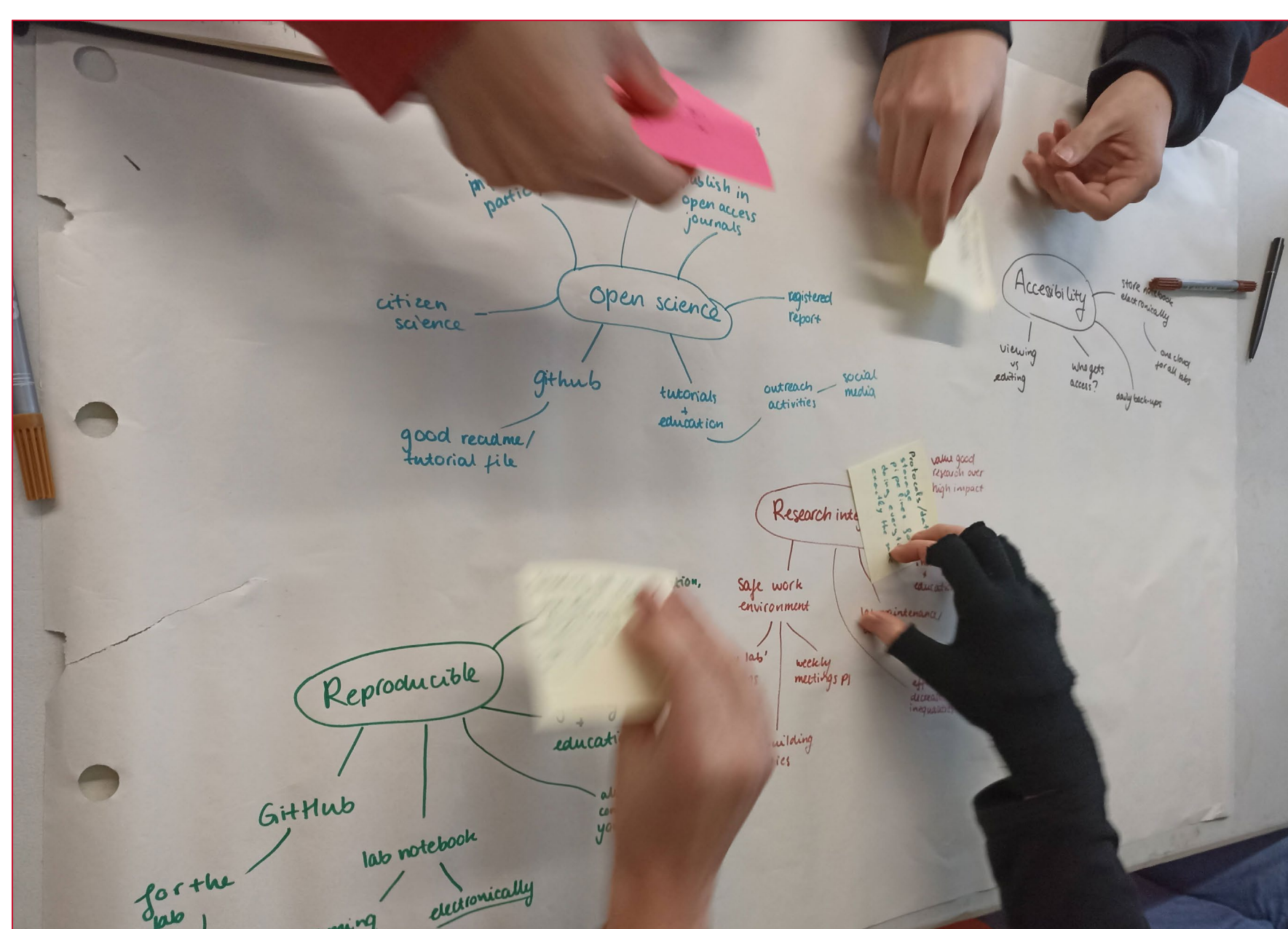
- 5 Seminars (2 hours/each)
- 3 Cinema forums (3 hours/each)
- 3 Debates – 2 hours/each. One of them interdisciplinary with students from Global Studies Bachelor's degree

Research Integrity embedded within:

- *Biomedicine & Planetary Wellbeing* – 1st year
- *Integrated Biomedicine III* – 3rd year



- 8,8/10 Science in Action
- 7,7/10 Bioethics



MELIS-UPF is strongly committed to training future generations of health sciences professionals in ethics and RI at all educational levels through innovative educational approaches

### *Science in Action*

**Target & format:** 1st year PhD students & MSc students (5 ECTs), compulsory and blended

**Aim:** to develop the student's critical thinking about issues related to values in science, scientific integrity and responsible conduct of research

#### **Methodology:**

- 6 Online Theoretical Modules on RI, Data Management, Animal Research, Human Research, Conflicts of Interest and Publication Practices
- 4 Face-to-face Interactive Seminars on integrity dilemmas, data management, research culture and authorship
- 1 Final Case Study