Présentation

This unit will provide students with a broad knowledge in research project realization and management. Research project will be carried out either in academic laboratories or will be hosted in industrial and start-up biotech companies.

Pré-requis nécessaires

None

Compétences visées

On successful completion of this unit, students should be able, at threshold level, to:

1. Professionally plan, organise and carry out a substantive project activity with the breadth, scope and discrimination appropriate to a Master of Science award
2. Perform an extensive literature search relevant to a research area;
3. Utilise a range of research techniques;
4. Critically analyse experimental results and present data in an appropriate form;
5. Produced a detailed critique of scientific papers that demonstrates an understanding of the structure of scientific writing
6. Present a logical, clear and critical synopsis of an extensive scientific study;
7. Report the work orally and in writing.

Descriptif

The topics covered in the unit will include:

1. Research methods with
   1. Writing skills for scientific (grants), industrial and and consultancy reports ; Journal articles, posters and academic book chapters, journalism ; Review articles ; Research proposal (including PhD proposals); Critiques of scientific papers or other writing.
2. Oral research presentations: communication issues ; effect deliveries ; audio-visuals aids ; structuring presentations ; summaries and ending ; dealing with questions ; criticism and feedback

1. The Research Project for which there is no formal syllabus, but the content of the project must be such as to meet the programme learning outcomes.
2. Allocation - The project is allocated by interview resulting in the joint completion of an Agreed Postgraduate Study Plan by the student, supervisor and moderating supervisor.
3. Monitoring - The project progress is monitored through regular meetings with the supervisor and industrial mentor (in case of the project is done in the industry) and by means of interim reports.

Assessment and Moderation - The supervisor, in consensus with the moderating supervisor, will provide the mark based on the work undertaken during the project, the oral presentation, the interim report and the final report. In case of the placement is done outside the university (Erasmus or industrial placements), the local supervisor will provide a commentary but will not assess the performance.

Bibliographie

Maimfors, B. et al., 2000, Writing and presenting scientific papers, Nottingham University Press.
Pechenik, J.and Lamb, B., 1994, How to write about Biology, Harper Collins

Pour plus d'informations : http://formations.univ-brest.fr
Modalités de contrôle des connaissances

**Session 1 ou session unique - Contrôle de connaissances**

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**Session 2 : Contrôle de connaissances**

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**Langue d'enseignement**

Anglais