



qbio
quantitative
biology

QBIO MASTER PROGRAM

quantitative biology in practice

LAB1

Cherine Bechara (cherine.bechara@umontpellier.fr)

Luca Ciandrini (luca.ciandrini@umontpellier.fr)

Emmanuel Margeat (Margeat@cbs.cnrs.fr)

OBJECTIVES OF THE LAB1 MODULE

Initiation on good practices on how to conduct research in a lab :

1. Series of seminars
2. Two practical stays in a research lab (Lab1.1 and 1.2)
3. Evaluation of the research conducted during the practicals

SERIES OF SEMINARS

Location : CBS 29 - Bungalow

Day	Time	Name	Topic
Tuesday January 17th	9:30-10:30	E. Margeat	Poster Presentation 1
Tuesday January 17th	1045-12:15	S. Nicole	Scientific Integrity
Tuesday January 24th	9:30-10:30	E. Margeat	Poster Presentation 2
Tuesday January 24th	10:45-12:00	JP Villemin	Data visualisation 1
Tuesday January 31th	9:30-10:30	JP Villemin	Data visualisation 2
Tuesday January 31th	10:45-12:15	ML. Parmentier	Green Science
Tuesday February 7th	15:00-16:30	O. Hennaut & F. Boulland	Open Science
Tuesday February 7th	16:45-18:15	C. Clerte	Lab Notebook
TBC	TBC	TBC	Statistics

Two practical stays in a research lab
2 x 12 days

- Lab 1.1 : January / February
- Lab 1.2 : March / April

1 or 2 students per practical
Lab1.1 and 1.2 advisors should be different

Restitution / Evaluation :

- Lab 1.1 : Oral presentation (~20 mins + questions) (one presentation / group)
- Lab 1.2 : Written report (one report / group)
- Lab 1.1 and 1.2 :
 - Quality of the student's lab book, evaluated by the supervisor. (One lab book per student)
 - Short assessment from the supervisor : student's work, motivation and commitment (for each student)
- All aspects seen in seminars have to be treated in the restitutions
 - Health and safety issues / Environmental impact / Proper statistics, reproducibility / Presentation of the data, bibliography / Open science /...