

Principles of animal cell culture workshop

(Delivered in English or in French)

Scientific coordinators

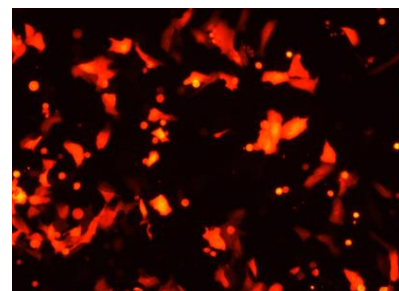
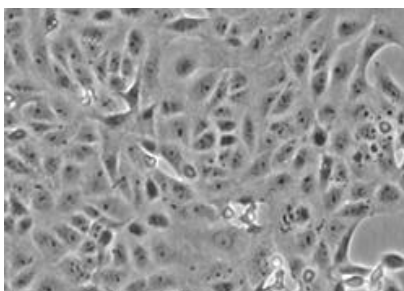
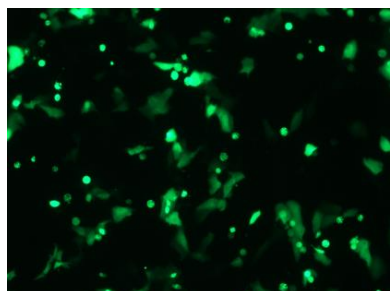
I.CHANTAL - C.MINET
(Cirad/IRD UMR INTERTRYP)

2 weeks

between October and April

(dates to be determined based on demand)

Cell culture is a set of biological techniques used to grow cells outside their organism (ex vivo) or their natural environment. This tool is increasingly required to validate protocols prior to conducting animal experiments.



Course objectives

The main objective of this workshop is to acquire the theoretical and practical principles of animal cell culture.

Organisation of the Workshop

- The workshop can be held at Cirad in Montpellier (France) (Baillarguet International Campus). Number of participants: maximum 4 to 6.
- It may also take the form of an itinerant training course by invitation: Payment of travel expenses, accommodation and expertise of the trainer(s) by the host organization with the provision of a laboratory equipped with at least one PSM and a CO2 incubator for the practical part of the workshop.
- A multiple choice quiz at the end of the session serves to assess what has been learned.



Audience

This workshop is for students, technicians, engineers and anyone wishing to learn the principles and good practices in cell culture that are needed to operate and/or to set up a cell culture laboratory.

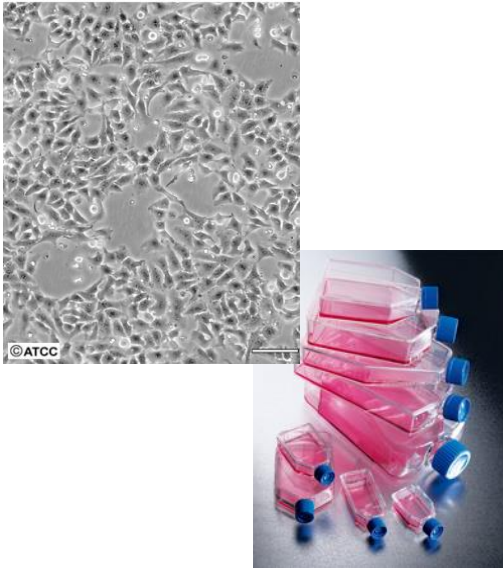
Prerequisites: ideally, knowledge of animal cell structure and laboratory work (use of micropipettes)



Program

The workshop is spread over two consecutive weeks attended full time. This training program consists of theoretical courses, tutorials and practical work on the following topics:

- introduction to animal cell culture,
- understanding of animal cell culture conditions,
- conservation of animal cells,
- transformation of animal cells,
- acquisition of correct cell culture laboratory practices.



Cost

- Training at Cirad in Montpellier (France) : €2,500
- Itinerant training by invitation : contact us
- Housing expenses : allow a minimum of €90/day

If necessary, and especially when two or more courses are taken, a customized estimate can be established upon request.

Important

CIRAD cannot provide study grants. If you wish to request a grant, submit an application as soon as possible to national authorities in charge of livestock and/or scholarships; Cooperation and Cultural Action Services (SCAC) of your local French Embassy; the embassies of other countries; international organizations (FAO, UNDP, EU, IAEA, IDB ...); development projects or NGOs.

Application procedure

Applications, consisting of a detailed resume, a letter of motivation and details about the organization managing your grant, must be sent to:

formation-emvt-fvi@cirad.fr



See our other trainings : <http://formation-elevage-suds.cirad.fr>

*CIRAD is an OIE collaborating centre for the diagnosis and control of animal diseases in tropical areas.
The organization of training courses in this field is part of its mandate.*