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## MODULAR TRAINING

# Principles of animal cell culture workshop

## Scientific coordinators:

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Cirad/IRD UMR INTERTRYP

2 weeks between October and April



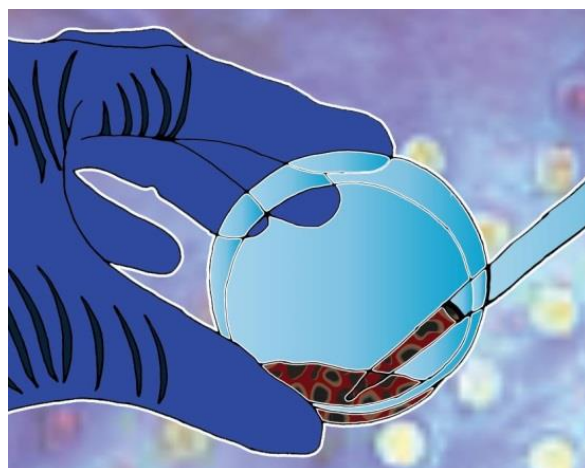
Delivered in French or in English

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)

# Principles of animal cell culture workshop



## Programm

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 €120/day

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



## Application procedure

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

[prisme.formation@cirad.fr](mailto:prisme.formation@cirad.fr)



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.

