



Theoretical and practical course on PLANT MICROPROPAGATION

Instructors:

Prof. **Dinesh Prasad** (BIT, India)

Prof. DhurvaGauchan(Kathmandu University, Nepal)

One week intensive course, 24-28 September Where:Room C10 and Biotechnology Laboratory

Day	Date	9:30am-11:00am Theory	11:15 am-1:30pm Practical
Monday	24-sep	General Introduction to Plant Tissue Culture Laboratory/Micropropagation and its Applications	
Tuesday	25-sep	Types of plant tissue culture media, Media Preparation and Sterilization Techniques	
Wednesday	26-sep	Phytohormones and other important physical factors required for healthy plant growth in <i>in vitro</i> conditions	Selection of Explants, Chemical Sterilization of explants Inoculation in sterile media under aseptic conditions (In vitro clonal propagation of <i>Mentha</i>)
Thursday	27-sep	Micropropagation techniques and its application in agriculture and forestry	Selection of Explants, surface sterilization of explants, Explant preparation, Inoculation in media under aseptic conditions (tree plant species: Willow)
Friday	28-sep	Establishment of callus, suspension culture and its application in transgenics and pharmaceutical industries.	
Friday	05-oct	Observation of Explants, final conclusion and precaution to be taken in tissue culture experiments	



Further information / registration: please contact Prof. Antonio Masi (antonio.masi@unipd.it).