Plant Tissue Culturing Summer Internships

Join Plant Tissue Culturing summer internships to explore the techniques and applications of plant tissue culture, focusing on micropropagation, somatic embryogenesis, callus culture, and the use of tissue culture for crop improvement, plant conservation, and biotechnology research.

Focussed Areas under Plant Tissue Culturing Summer Internship

1. Micropropagation techniques for large-scale plant production
2. Callus culture and regeneration of plants
3. Somatic embryogenesis for plant breeding
4. Applications of tissue culture in crop improvement
5. Plant tissue culture for virus elimination and disease resistance
6. Cryopreservation and long-term storage of plant germplasm
7. Tissue culture techniques for conserving endangered species
8. Plant genetic transformation through tissue culture
9. In vitro culture techniques for plant breeding
10. Tissue culture in horticulture and floriculture
11. Plant growth regulators in tissue culture
12. Biotechnology applications of plant tissue culturing
13. Somaclonal variation and its role in crop improvement
14. Tissue culture for the production of secondary metabolites
15. Plant tissue culture for rapid propagation of elite varieties
16. Tissue culture in forestry and woody plants
17. Protocols for protoplast isolation and fusion
18. In vitro germplasm exchange and conservation
19. Tissue culture techniques for producing genetically uniform plants
20. Molecular tools in plant tissue culture research

Protocols Covered across various focussed areas under Plant Tissue Culturing Summer Internship

1. Micropropagation protocols for plant production
2. Callus culture and regeneration techniques
3. Somatic embryogenesis workflows for plant breeding
4. Protocols for genetic transformation through tissue culture
5. Cryopreservation techniques for plant germplasm
6. In vitro culture protocols for crop improvement

7. Tissue culture for secondary metabolite production
8. Protoplast isolation and fusion protocols
9. Plant growth regulator application in tissue culture
10. Protocols for somaclonal variation studies in tissue culture

Duration: 5, 10, 15, 20, and 30 Days

Note: Please cross confirm whether internship slots for this field are available before joining.

Click Here for Plant Tissue Culturing Summer Internship Fees

Application Process and Other info