

Plant Biotechnology Summer Internships

Join Plant Biotechnology summer internships to explore the use of genetic engineering and biotechnology techniques in agriculture, focusing on crop improvement, plant tissue culture, transgenic plants, and the development of biotech solutions for sustainable farming and food security.

Focussed Areas under Plant Biotechnology Summer Internship

1. Genetic engineering in crop improvement
2. Plant tissue culture and micropropagation techniques
3. Development of transgenic plants for stress tolerance
4. Applications of CRISPR and gene editing in plant biotechnology
5. Molecular breeding for enhanced plant traits
6. Biotechnology for sustainable agriculture and food security
7. Plant-microbe interactions in biotechnology
8. Biofortification of crops for enhanced nutrition
9. Plant biotechnology for disease resistance
10. Plant secondary metabolites and their applications
11. Biotechnology applications in horticulture
12. Marker-assisted selection in plant biotechnology
13. Synthetic biology in plant biotechnology
14. Metabolic engineering of plants for bioproducts
15. Bioremediation using genetically modified plants
16. Genomics and proteomics in plant biotechnology
17. Phytoremediation of contaminated environments
18. Plant biotechnology for renewable energy
19. Molecular farming and production of pharmaceuticals in plants
20. Regulatory frameworks in plant biotechnology

Protocols Covered across various focussed areas under Plant Biotechnology Summer Internship

1. Plant tissue culture and micropropagation protocols
2. CRISPR and gene editing workflows for plant biotechnology
3. Protocols for developing transgenic plants
4. Molecular breeding techniques for crop improvement
5. Marker-assisted selection protocols for enhanced traits

6. Protocols for biofortification of crops
7. Metabolic engineering workflows in plants
8. Plant biotechnology protocols for disease resistance
9. Phytoremediation techniques using genetically modified plants
10. Protocols for plant biotechnology in renewable energy

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 Biotechnology Summer Internship Fees](#)

Application Process and Other info