



Resilience in Plants and Novel Technologies

- ✓ Multi-omics
- ✓ Deep Phenotyping
- ✓ Regulatory Network Reconstruction
- ✓ Synbio and Agritech
- ✓ Single-cell analysis
- ✓ Climate Emergency
- ✓ Plant health
- ✓ Sustainability

Gene regulation and Growth Enhancement

- ✓ Transcriptional regulation
- ✓ Regulatory mechanisms of growth arrest
- ✓ Epigenetic reprogramming
- ✓ Precision genetic editing
- ✓ AI and machine vision

Sustainable Enhancement of Plant Productivity with Precision Genomics

(SEP₃G)

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Royal Holloway University of London

