

Workshop on Agricultural Biotechnology: A hands on training in advanced tissue culture and molecular biology techniques

Feb 18-23, 2008, TERI (The Energy and Resources Institute) New Delhi

AGENDA

Day/Date/ Time	Session	Speaker/ coordinator
Mon 18th Feb		
9.30 - 9.45 am	Registration	Mr Amit Rajput
9.45 - 10 am	Welcome and introducing TERI	Dr Banwari Lal
10.00 - 10.15 am	Course Introduction Introduction of participants	Dr Abha Agnihotri Dr Nutan Kaushik
10.15 - 10.30 am	Short TERI film	
11.00- 1.00 pm	Introduction to advanced tissue culture techniques; Preview of haploid research achievements and applications	Dr Abha Agnihotri
2.00 to 3.30 pm	Requirements and preparations for aseptic cultures	Mr Shalandra Singh
3.45 - 5.15 pm	Preparation of media for microspore and embryo culture	Mr Gautam Sarkar
10.30 - 11am	Morning Tea	
1.00 - 2.00 pm	Lunch	
3.30 - 3.45 pm	Evening Tea	
Tue 19th Feb		
9.30 - 11am	Selection of totipotent microspores	Mr Shalandra Singh Dr Vinod S Mehra
11.30 – 3.30 pm	Microspore isolation, washing and plating	Mr Gautam Sarkar Mr Shalandra Singh
3.45 - 5.15 pm	Applications of embryo culture for trait transfer	Dr Abha Agnihotri
11- 11.30 am	Morning Tea	
1.00 - 2.00 p.m.	Lunch	
3.30- 3.45 pm	Evening Tea	
Wed 20th Feb		
9.00am-5.15pm	Visit to field and TERI Gram facilities. Collection of leaf material for DNA extraction	Mr. Gautam Sarkar Dr. Vinod S Mehra Mr. Shalandra Singh Dr Sajad M Zargar
10.00 -10.30 am	Morning Tea	
12.30 - 1.30 pm	Lunch	
4.45 - 5.15 pm	Evening Tea	

Thu 21st Feb		
9.30 - 11.00am	Observations and embryo culture Diploidization of embryo generated plantlets	Mr Gautam Sarkar Mr. Shalandra Singh
11.30 - 5.15 pm	Requirements for molecular work, preparation of buffers and reagents for DNA extraction	Dr Sajad M Zargar Ms Simrita Cheema
11.00 - 11.30 am	Morning Tea	
1.00 - 2.00pm	Lunch	
3.30 - 3.45 pm	Evening Tea	
Fri 22nd Feb		
9.30 -11.00 am	Plant Genomics and Proteomics	Dr Sajad M Zargar
9.30am - 5.15 pm	DNA extraction and quantification	Dr Sajad M Zargar Ms Simrita Cheema
11.00 - 11.30 am	Morning Tea	
1.00 - 2.00pm	Lunch	
3.30 - 3.45 pm	Evening Tea	
Sat 23rd Feb		
9.30 - 11.00 am	PCR polymorphism and data scoring	Dr Sajad M Zargar Mr Shalandra Singh
11.30-12:30pm	Concluding Session Certificate distribution Vote of Thanks	Dr Banwari Lal Dr Nutan Kaushik Dr Abha Agnihotri
11.00 - 11.30 am	Morning Tea	
12.30- 1.30 pm	Lunch	