

Workshop Schedule

Time	Practice	Theory
14th November 2018		
8:30-9:30	Presentation by Prof. Andreas Houben: How to analyze B chromosomes using modern methods of cytogenetics?	
09:30-10:30	Root tip fixation, Enzymatic digestion,	While roots are digested, root tip preparation is discussed.
10:30-11:00	Break	
11:00-12:00	Presentation by Dr. Ghader Mirzaghaderi: Introduction to FISH and its applications	
12:00-13:00	Preparation of chromosome spread by dropping and evaluation of the slides	-
13:00-14:30	Lunch	
14:00-14:30		Probe preparation
14:30-16:00	Slide post-fixation, Preparation of probe mix, Slide denaturation (Chromosomal DNA), Hybridization and overnight incubation	
16:00-16:30	Break	
15th November 2018		
9:00-10:00	Presentation by Prof. Andreas Houben: Live 3D imaging of plant cells using CRISPR-Cas9 technology	
10:00-10:30	Break	
10:30-13:00	Washing Counterstaining Operation of fluorescent microscope, View FISH slides, capture and processing FISH images	
13:00-14:30	Lunch	
14:00-15:30	-	GISH, solution preparation, FISH discussion – Methodology and troubleshooting