

Special Seminar

To invite from Institute of Experimental botany CAS, we will hold a special seminar on Flow cytometry in wheat genome research

Date and Time: October 31, 2018, 14:00-15:00

Place: Training room 2, International Arid Lab, ALRC

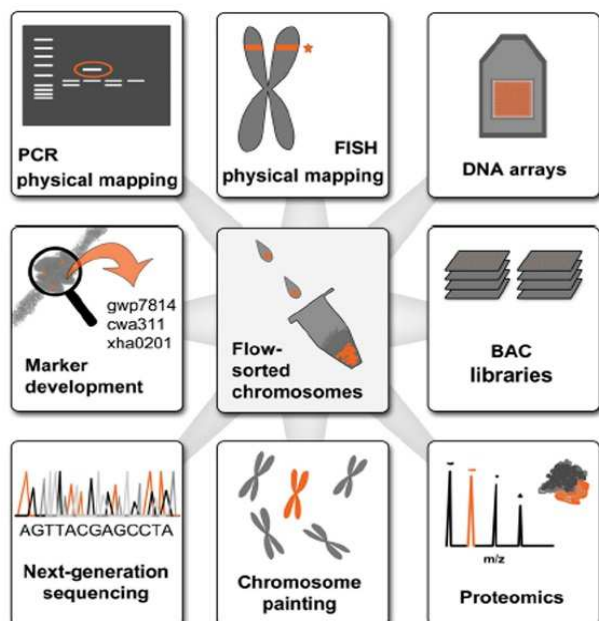
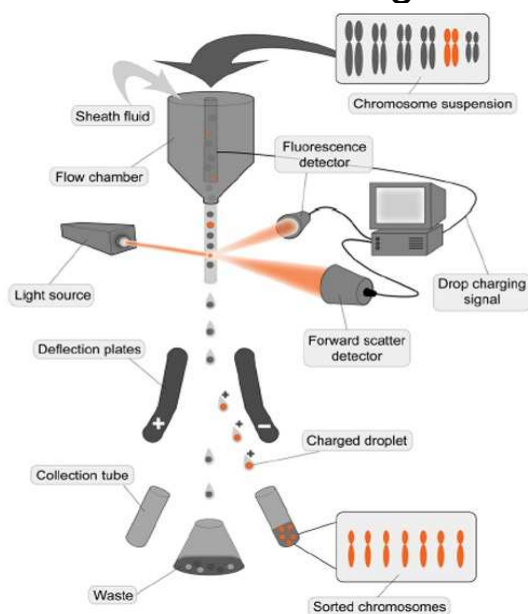


Dr. Capal Petr

(Institute of Experimental botany CAS, Olomouc, Czech Republic)

Flow cytometry in wheat genome research

Many agronomical important plants harbor complex genomes – large in size, abundant in repeats, often polyploid - and bread wheat (*Triticum aestivum*) is epitome for all these aspects. Flow cytometry can be applied for simplifying genome analysis by dissecting complex genomes into its natural subunits – chromosomes. This approach has been used in early stages of wheat genome sequencing project and is used now for targeted work studying specific genes. Moreover flow sorted nuclei can be successfully utilized for studying cell cycle, meiotic recombination or 3D structure and organization of chromatin.



Contact: Takayoshi Ishii (Ishii.T@tottori-u.ac.jp)