

MEICOM ESR Secondment Report

ESR:	Yunjae Ahn
Partner visited for Secondment:	University of Leicester
Date:	22.02.19. – 28.02.19.

Purpose of Secondment:

ESR training in molecular cytogenetics in barley.

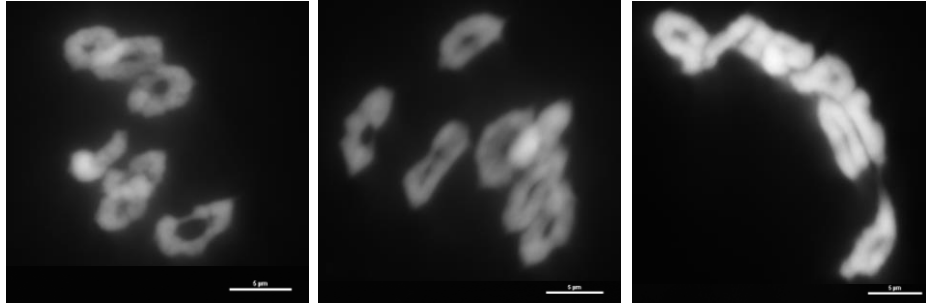
In connection with project to study the effect of selected chemical compounds on the meiotic chromatin structure, on PTMs and on meiotic recombination via cytology, ESR was scheduled to visit University of Leicester from 22.02.19. to 28.02.19.

Training received:

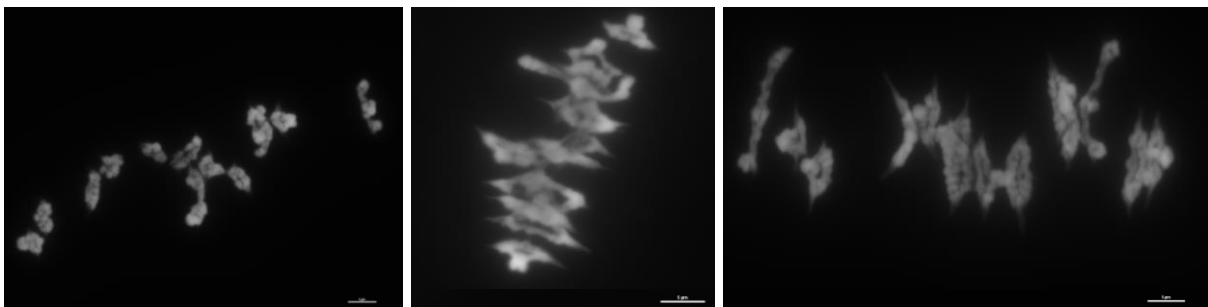
- i) Slide preparation for immuno-fluorescence with wheat
- ii) Metaphase I chromosome preparation with barley and wheat

Outcome:

Practicing chromosome preparation for further experiments such as immuno-fluorescence and Fluorescence in situ Hybridization.



Barley (*Hordeum vulgare* cv. Golden promise) metaphase I chromosome.



Wheat (*Triticum aestivum*) metaphase I chromosome.

With the secondment in University of Leicester, I learned new methodology to do chromosome preparation that can be practically used in my project.