

植物ゲノム・遺伝子源解析センター 月例セミナー

とき 平成29年4月10日（月）
16時00分～17時00分

ところ 農学部 DS304講義室

題目 「Integrated breeding technology for tropical vegetable farmers」

講師 East-West Seed Hatthaya Arunothayanan 博士

East-West Seed is the market leader for tropical vegetable seeds in Asia. Established in 1982, the company was built on the idea of blending European seed technology with Asian tropical vegetable farming, taking advantage of modern plant breeding. To be capable of providing high-quality seeds with superior genetics and outstanding characteristics to the farmers, strong R&D capabilities have been utilized. The high-throughput SNP genotyping system is performed in Molecular Genetics Laboratory where Single Nucleotide Polymorphism (SNP) markers are applied for both routine application and research. The high-throughput SNP genotyping system is also applied for purity testing of parental lines and F1 hybrids to ensure high genetic purity of seeds which true-to-type analysis of each variety can also be determined. Moreover, SNP technology is also applied for researches including marker development of the new crops, fingerprinting of all EWS varieties, mapping population and trait introgression. Also, molecular markers are applied in Molecular Plant Pathology for pathogen diagnosis and genetic diversity analysis of pathogens causing plant diseases including viroids, virus, fungi and bacteria in order to assist the breeding program in finding the resistance to specific pathogen.

主催：香川大学農学部 植物ゲノム・遺伝子源解析センター

(<http://www.ag.kagawa-u.ac.jp/phytogene/index.html>)