

Plant Science for Beautiful World: Real Dynamics of Plant Chromosomes

「美しい世界を維持していくための植物科学：植物染色体の本当の動態」

日時：2023年6月10日（土） 12:30－17:30 開場 12:00 参加費無料

場所：神奈川大学 みなとみらいキャンパス 米田吉盛記念ホール他

演者・講演等

Chair: Mariko Asaoka (Kanagawa Univ.) and Takuya Sakamoto (Kanagawa Univ.)

12:35 **Chang Liu** (Institute of Biology, University of Hohenheim)

Mechanistic insights of how plants modulate three-dimensional chromatin organization.

13:15 **Sachihiko Matsunaga** (Department of Integrated Science, Tokyo Univ.)

Dynamics of subnuclear gene positioning and imaging of histone modification.

13:55 **Takuya Sakamoto** (Faculty of Science, Kanagawa Univ.)

Exploring the mechanisms and significance of centromere distribution in plants.

14:15 **Suzuka Kikuchi** (Faculty of Science, Kumamoto Univ.)

Relationship between chromosome polytetraploidization and growth changes due to autopolyploidization.

14:30 Coffee break

Chair: Ken-ichi Nonomura (National Institute of Genetics) and Yoshitaka Azumi (Kanagawa Univ.)

14:50 **Hong Ma** (Department of Biology, Pennsylvania State Univ.)

Regulation of meiotic chromosome condensation and recombination in Arabidopsis.

15:30 **Arp Schnittger** (Department of Developmental Biology, University of Hamburg)

Live-cell imaging of meiosis from Arabidopsis to maize.

16:10 **Ken-Ichi Nonomura** (Plant Cytogenetics, National Institute of Genetics)

Missing link in plant meiosis initiation -The role of post-transcriptional regulation and callose, the cell wall polysaccharide.

16:50 **Yoshitaka Azumi** (Faculty of Science, Kanagawa Univ.)

Chromosome behavior during meiosis in meiotic mutant of Arabidopsis.

17:15 Discussion

予定は変更される場合があります。詳しくは神奈川大学のホームページの EVENT 欄をご覧ください。

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