

生細胞超解像イメージング研究チーム／Live Cell Super-Resolution Imaging Research Team

(1) 原著論文 (accept) を含む / Original Papers

1. N. Minamino, T. Kanazawa, A. Era, K. Ebine, A. Nakano, and T. Ueda: "RAB GTPases in the basal land plant *Marchantia polymorpha*," *Plant Cell Physiol.* 59, 845-856 (2018).
2. A. Yamagami, C. Saito, M. Sakuta, K. Shinozaki, H. Osada, A. Nakano, T. Asami, and T. Nakano: "Brassinosteroids regulate vacuolar morphology in root meristem cells of *Arabidopsis thaliana*," *Plant Signal. Behav.* 13, e1417722 (2018).
3. E. Ito, K. Ebine, S. W. Choi, S. Ichinose, T. Uemura, A. Nakano, and T. Ueda: "Integration of two RAB5 groups during endosomal transport in plants," *eLife* 7, e34064 (2018).
4. M. Ishii, V. V. Lupashin, and A. Nakano: "Detailed analysis of the interaction of yeast COG complex," *Cell Struct. Funct.* 4, 119-127 (2018).
5. K. Muro, K. Matsuura-Tokita, R. Tsukamoto, M. M. Kanaoka, K. Ebine, T. Higashiyama, A. Nakano, and T. Ueda: "ANTH domain-containing proteins are required for the pollen tube plasma membrane integrity via recycling ANXUR kinases," *Commun. Biol.* 1, 152 (2018).
6. K. Ishikawa, K. Tamura, H. Ueda, Y. Ito, A. Nakano, I. Hara-Nishimura, and T. Shimada: "Synaptotagmin-associated endoplasmic reticulum-plasma membrane contact sites are localized to immobile ER tubules," *Plant Physiol.* 178, 641-653 (2018).
7. T. Haraguchi, K. Ito, Z. Duan, R. Sa, K. Takahashi, Y. Shibuya, N. Hagino, Y. Miyatake, A. Nakano, and M. Tominaga: "Functional diversity of class XI myosins in *Arabidopsis thaliana*," *Plant Cell Physiol.* 59, 2268-2277 (2018).
8. T. Uemura, R. T. Nakano, J. Takagi, Y. Wang, K. Kramer, I. Finkemeier, H. Nakagami, K. Tsuda, T. Ueda, P. Schulze-Lefert, and A. Nakano: "A Golgi-released subpopulation of the *trans*-Golgi network mediates protein secretion in *Arabidopsis*," *Plant Physiol.* 179, 519-532 (2019).
9. K. Kurokawa, H. Osakada, T. Kojidani, Y. Suda, H. Asakawa, T. Haraguchi, and A. Nakano: "Visualization of secretory cargo transport within the Golgi apparatus in living yeast cells," *J. Cell Biol.* in press.

(2) 著書・解説など / Book Editions, Review Papers

1. K. Kurokawa and A. Nakano: "The ER exit sites are specialized ER zones for the transport of cargo proteins from the ER to the Golgi apparatus," *J. Biochem.* 165, 109-114 (2019).

2. A. Nakano and J. von Blume: “Organelle zones,” Mol. Biol. Cell 30, 731 (2019).

(3) 招待講演 / Invited Talks

1. A. Nakano: “Spatiotemporal dissection of trafficking events in and around the Golgi,” The 2018 FEBS Golgi meeting, Sorrento, Italy, October (2018).
2. A. Nakano: “Organelle zones: a new concept emerging from cutting-edge live imaging microscopy,” Minisymposium on Organelle Zones, ASCB | EMBO 2018 meeting, San Diego, CA, USA, December (2018).

(4) 会議、シンポジウム、セミナー主催 / Meeting, Symposiums and Seminars

1. Minisymposium on Organelle Zones, ASCB | EMBO 2018 meeting, San Diego, CA, USA, December 12 (2018).

(5) 特許出願 / Patent Applications

1. 中野明彦, 市原 昭, “対物レンズの駆動制御方法及び蛍光顕微鏡システム,” 出願番号: 14839458.8 (ヨーロッパ特許庁), 理研管理番号: 08183-EP, 特許登録 2018 年 11 月 9 日.

(6) 特筆すべき事項・トピックス(雑誌表紙などの掲載記事) / Topics

1. 戸島拓郎研究員, The 2018 FEBS Golgi meeting (ソレント、イタリア) で最優秀ポスター賞を受賞, 2018 年 10 月 18 日.
2. 清水優太郎 JRA, 文科省科研費・新学術領域研究「オルガネラ・ゾーン」若手の会 (徳島) で, 最優秀発表賞を受賞, 2019 年 1 月 25 日.