

生命光学技術研究チーム／Biotechnological Optics Research Team

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

1. Mano T, Albanese A, Dodt HU, Erturk A, Gradinaru V, Treweek JB, Miyawaki A, Chung K, Ueda HR.: “Whole-Brain Analysis of Cells and Circuits by Tissue Clearing and Light-Sheet Microscopy”. *J. Neurosci.*, 38, 9330-9337, (2018).
2. Toda K, Isobe K, Namiki K, Kawano H, Miyawaki A, Midorikawa K.: “Interferometric temporal focusing microscopy using three-photon excitation fluorescence” *Biomed. Opt. Express*, 9, 1510-1519, (2018).
3. Ue Y, Monai H, Higuchi K, Nishiwaki D, Tajima T, Okazaki K, Hama H, Hirase H, Miyawaki A. “A spherical aberration-free microscopy system for live brain imaging” *Biochem. Biophys. Res. Commun.*, 500, 236-241, (2018).

(2) 招待講演 / Invited Talks

1. Atsushi Miyawaki, “Luminescent protein applications in research, medicine, and bioengineering”, The 9th BRI International Symposium on Visualization of brain network and function, Niigata, 3月19日, (2019).
2. 宮脇敦史, “光学への期待”, 日本光学会主催 第45回冬期講習会, 東京, 2月20日, (2019).
3. 宮脇敦史, “Cruising inside cells—A graduate fantasy at IPR in the 80’s—”, 大阪大学蛋白質研究所創設60周年記念国際シンポジウム, 大阪, 11月16日, (2018).
4. 宮脇敦史, “光と脳科学”, 国際光デーシンポジウム, 東京, 7月7日, (2018).
5. Atsushi Miyawaki, “Genetically encoded tools based on luminescent proteins”, WCP2018, Kyoto, 7月6日, (2018).
6. 宮脇敦史, “Cruising inside the cells” 日本顕微鏡学会第74回学術講演会, 久留米, 5月29日, (2018).

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

1. Resonance Bio Meeting on Bioimaging for Young Researchers “Chanpuru”, Okinawa, Oct. 29-30, (2018).
2. Resonance Bio Forum “Tracing Chromosomes at the nanoscale with DNA-PAINT” by Hiroshi Sasaki (Wyss Inst.), Wako, Sep. 4, (2018).
3. Resonance Bio Forum “Developmental and Functional Characterization of Synaptic Connectivity in the Mammalian Central Auditory System” by Hiroshi Sasaki (Wyss Inst.), Wako, Sep. 4, (2018).
4. 新学術領域「レゾナンスバイオ」班会議, 湘南, 6月16-17日, (2018).