

## SUPER RESOLUTION IMAGING: SAMPLE PREPARATION MANUSCRIPTS

1. [Optimized protocol for combined PALM-dSTORM imaging](#). Glushonkov O, Réal E, Boutant E, Mély Y, Didier P. *Sci Rep*. 2018 Jun 8;8(1):8749.
2. [Evaluation of fluorophores for optimal performance in localization-based super-resolution imaging](#). Dempsey GT, Vaughan JC, Chen KH, Bates M, Zhuang X. *Nat Methods*. 2011
3. [Twinkle, twinkle little star: photoswitchable fluorophores for super-resolution imaging](#). Chozinski TJ, Gagnon LA, Vaughan JC. *FEBS Lett*. 2014 Oct 1;588(19):3603-12.
4. [Photostable and photoswitching fluorescent dyes for super-resolution imaging](#). Minoshima M, Kikuchi K. *J Biol Inorg Chem*. 2017 Jul;22(5):639-652
5. [Super-resolution Microscopy for Biological Imaging](#). Yang Z, Samanta S, Yan W, Yu B, Qu J. *Adv Exp Med Biol*. 2021;3233:23-43. doi: 10.1007/978-981-15-7627-0\_2.

## SUPER RESOLUTION IMAGING: REVIEW ARTICLES ON SIM, PALM, STORM

1. [Unraveling the Nanoscopic Organization and Function of Central Mammalian Presynapses With Super-Resolution Microscopy](#). Carvalhais LG, Martinho VC, Ferreira E, Pinheiro PS. *Front Neurosci*. 2021 Jan 8;14:578409. doi: 10.3389/fnins.2020.578409. eCollection 2020.
2. [Super-resolution microscopy approaches to nuclear nanostructure imaging](#). Cremer C, Szczurek A, Schock F, Gourram A, Birk U. *Methods*. 2017 Jul 1;123:11-32. doi: 10.1016/j.jymeth.2017.03.019. Epub 2017 Apr 6.
3. [Progress in quantitative single-molecule localization microscopy](#). Deschout H, Shivanandan A, Annibale P, Scarselli M, Radenovic A. *Histochem Cell Biol*. 2014 Jul;142(1):5-17. doi: 10.1007/s00418-014-1217-y. Epub 2014 Apr 20.
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5. [Imaging cells at the nanoscale](#). Cox S, Jones GE. *Int J Biochem Cell Biol*. 2013 Aug;45(8):1669-78. doi: 10.1016/j.biocel.2013.05.010. Epub 2013 May 18.
6. [Digging Deeper: Advancements in Visualization of Inhibitory Synapses in Neurodegenerative Disorders](#). Radulović S, Sunkara S, Maurer C, Leitinger G. *Int J Mol Sci*. 2021 Nov 18;22(22):12470. doi: 10.3390/ijms222212470.
7. [Microclusters as T Cell Signaling Hubs: Structure, Kinetics, and Regulation](#). Balagopalan L, Raychaudhuri K, Samelson LE. *Front Cell Dev Biol*. 2021 Jan 26;8:608530. doi: 10.3389/fcell.2020.608530. eCollection 2020.
8. [Optical Microscopy and the Extracellular Matrix Structure: A Review](#). Poole JJA, Mostaçõ-Guidolin LB. *Cells*. 2021 Jul 12;10(7):1760. doi: 10.3390/cells10071760.
9. [Suborganellar Localization of Mitochondrial Proteins and Transcripts in Human Cells](#). Smirnova A, Richert L, Smirnov A, Mély Y, Tarassov I. *Methods Mol Biol*. 2021;2277:157-173. doi: 10.1007/978-1-0716-1270-5\_11.
10. [Super-resolution correlative light-electron microscopy using a click-chemistry approach for studying intracellular trafficking](#). Andrian T, Bakkum T, van Elstrand DM, Bos E, Koster AJ, Albertazzi L, van Kasteren SI, Pujals S. *Methods Cell Biol*. 2021;162:303-331. doi: 10.1016/bs.mcb.2020.09.001. Epub 2020 Oct 16.