Further reading on principles of ColorEM, nanotomy & CLEM connected to Giepmans' lecture

ColorEM

Duinkerken/Alsahaf et al. **Automated analysis of ultrastructure through large-scale hyperspectral EM**. Npj Imaging. 2024 2:53. doi: 10.1038/s44303-024-00059-7

https://www.nature.com/articles/s44303-024-00059-7

Pirozzi e al. **ColorEM: analytical EM for element-guided identification and imaging of the building blocks of life**. Histochem Cell Biol. 2018;150:509. doi:10.1007/s00418-018-1707-4.

https://link.springer.com/article/10.1007/s00418-018-1707-4

Nanotomy

Wolters et al. **A Digital Atlas of Human Ultrastructure**. Small. 2026:e75444. doi: 10.1002/smll.75444.

https://onlinelibrary.wiley.com/doi/full/10.1002/smll.75444

CLEM

Giepmans et al. **The fluorescent toolbox for assessing protein location and function**. Science. 2006;312:217. doi: 10.1126/science.1124618.

https://www.science.org/doi/10.1126/science.1124618

Schnell et al. **Immunolabeling artifacts and the need for live-cell imaging**. Nat Methods. 2012 9:152. doi:10.1038/nmeth.1855. PMID: 22290187.

https://www.nature.com/articles/nmeth.1855

de Boer et al. **Correlated light and electron microscopy: ultrastructure lights up!** Nat Methods. 2015 12:503. doi:10.1038/nmeth.3400. PMID: 26020503.

https://www.nature.com/articles/nmeth.3400