New Methods for Fast and Gentle Live Cell Imaging in 3D

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1. ABSTRACT
Researchers often need to image the smallest structures, catch the faintest signal or track the fastest processes – or do all of that at once. When it comes to getting accurate data from live cells or other weakly-labeled samples, there is no such thing as too much sensitivity, resolution or speed. Each photon of emission light is precious. At ZEISS Microscopy, we constantly strive to develop light efficient imaging technologies. ZEISS Airyscan and Lattice SIM allow researchers in facilities and single labs to get as much information about their challenging samples as possible. Our presentation will give an overview about new developments in the field of gentle and fast optical sectioning techniques with superresolution. A number of challenging application examples will be presented and discussed.

2. FIGURES AND REFERENCES
Figure 1: https://p.widencdn.net/tndnoj/Elyra-7_Lattice-SIM_vs_widefield_Phalloidin?download=true

Follows are the example of references;