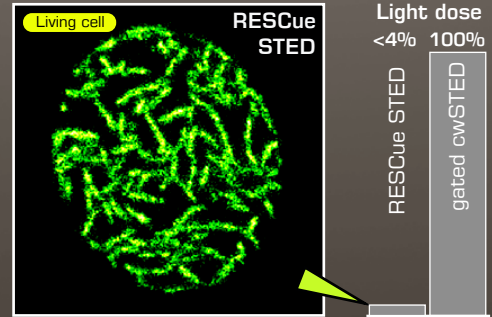
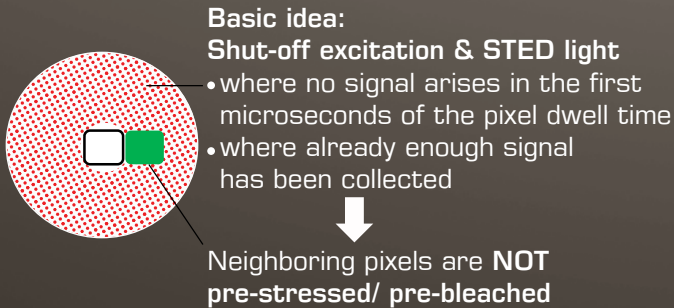


# Abberior RESCue STED

## RESCue STED designed for live-cell applications



### Specs:

- ✓ RESCue STED reduces the **light dose on the sample down to 4% compared to gated cw STED** without compromising the resolution
- ✓ Avoids unnecessary excitation and de-excitation cycles (conventional STED applies the same light dose to any pixel)
- ✓ **Reduction of photobleaching** of any fluorescent marker
- ✓ Reduction of the light dose **enhances live-cell imaging conditions** in general
- ✓ Beneficial for **time-lapse STED** imaging
- ✓ Beneficial for **volume imaging with 3D STED**
- ✓ Can similarly be applied to **confocal** imaging

### References:

- ✓ T. Staudt, A. et al. "Far-field optical nanoscopy with reduced number of state transition cycles" Opt. Express 19, 5644 (2011)

