

**On the Cover:** Inhibition of fatty acid synthase in *Chlamydomonas* has a strong impact on chloroplast morphology and function, ultimately leading to autophagy activation. These fluorescence confocal microscopy images show a progressive decrease of chloroplast autofluorescence in cells treated with cerulenin, a specific inhibitor of fatty acid synthase. Credit: María Esther Pérez-Pérez, José L. Crespo and Luis Gonzaga Heredia-Martínez

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