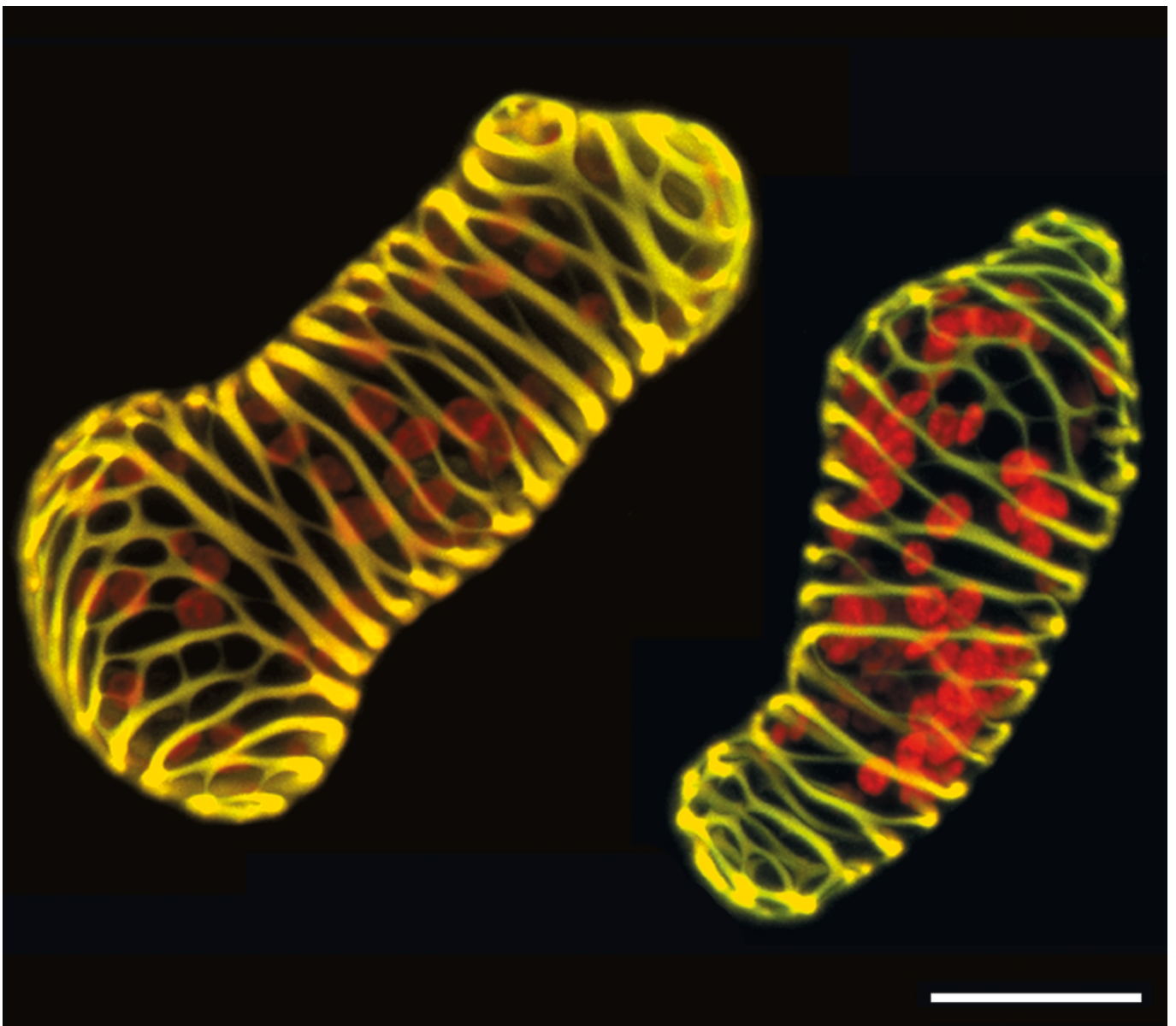


CELL OF THE MONTH



This month's winning image was submitted by Keisuke Obara (University of Tokyo (ss17196@mail.ecc.u-tokyo.ac.jp)). It shows plant (*Zinnia elegans*) vessel elements transdifferentiated from mesophyll cells *in vitro*.

Yellow and red fluorescence represents acridine-orange-stained secondary cell walls and chloroplastic autofluorescence, respectively. The three-dimensional image was reconstructed from optical sections obtained by confocal microscopy (FV500, Olympus). Bar, 20 μm .

We are pleased to acknowledge the help of our two external advisors, Ariel Ruiz i Altaba (Developmental Genetics Program, New York University Medical Center) and Lelio Orci (Department of Morphology, University Medical Center, Geneva).