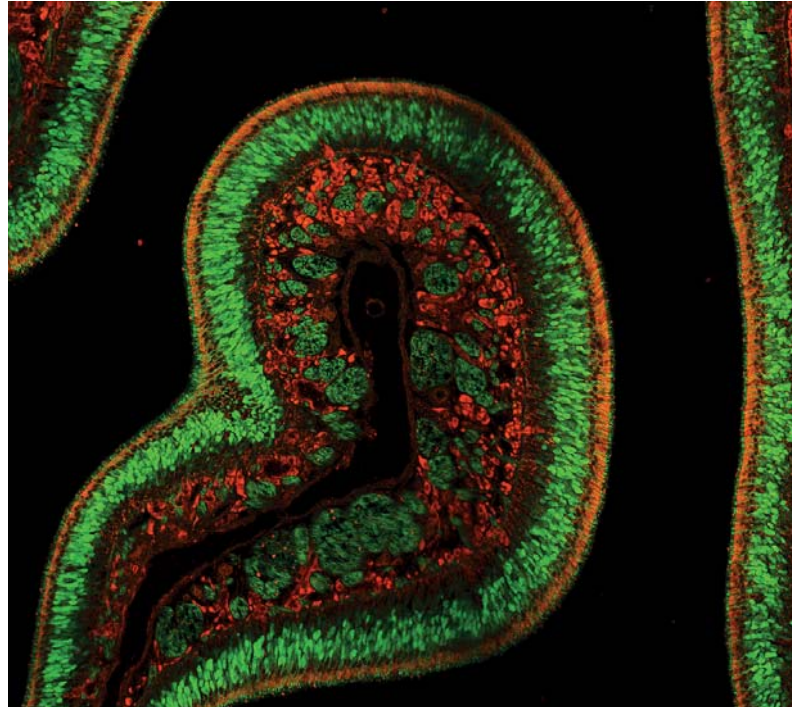
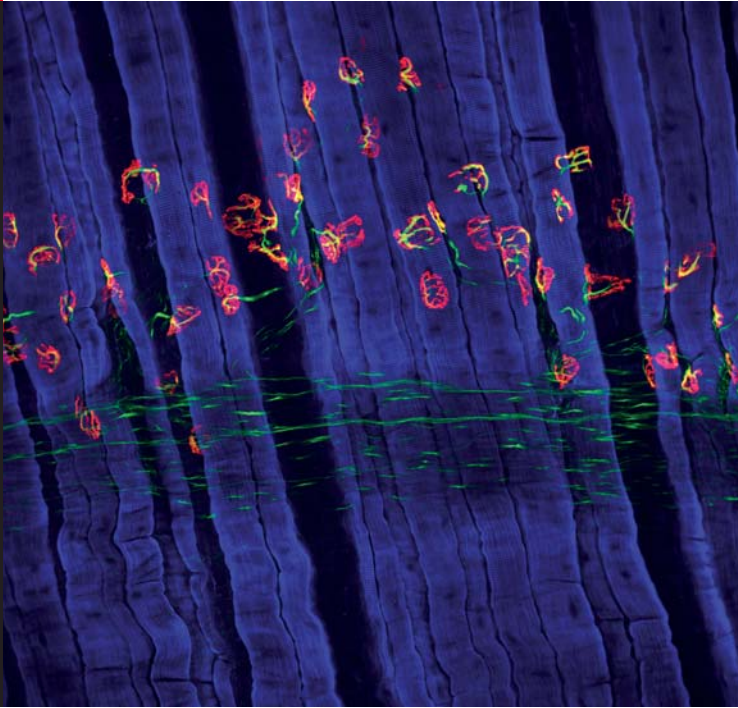


Living up to Life

**Leica**  
MICROSYSTEMS



## Leica TCS SP8

### Looking forward to your discoveries

- › Highest photon efficiency for live cell imaging and publication-ready images, out of the box
- › Fastest confocal point scanning for new high-speed experiments and rapid 4D time lapse recordings
- › Ready for the future with an open upgrade path and turn-key solutions for super-resolution, multiphoton imaging, CARS, and single molecule detection

[www.leica-microsystems.com](http://www.leica-microsystems.com)



**LEICA TCS SP8. THE EYES OF THE DISCOVERERS.**

**More sensitive for imaging of live specimen**

A high precision confocal microscope is the ultimate balance of speed, sensitivity, and flexibility. Every photon needs to be preserved so it can contribute to your brilliant imagery. Leica achieves that by designing all optical elements from the ground up to reinforce each other. Brand-new scan optics, the AOBS, new LIAchroic beam splitters, and the multispectral SP detection with Leica HyD™ are some of the elements that make your research faster and easier.

**Faster for new biology**

Unveiling the processes of life is a never-ending challenge. Leica Microsystems overcomes the speed limits intrinsic to confocal point scanning by combining innovative elements amplifying each other's performance. The Tandem Scanner, for example, offers up to 428 fps and allows the recording of ultrafast 3D stacks with a SuperZ control using the new Galvo Flow control. Together with the rapid response of Leica HyD™ detection this system is ideal for live cell imaging and large scale 4D time lapse experiments. Arrive at new discoveries with greater speed.

**Intuitive software that makes your life easier**

Clearly structured panels for the configuration of each acquisition step can be permanently open or hidden, providing exactly the information you need. The ergonomic design of LAS AF 3 (Leica Application Suite Advanced Fluorescence) reduces the learning effort and allows you to focus on your research. Now, LAS AF 3 comes with brand new 3D functionality for analysis of complex topologies in a higher dimension.

**Ready to Grow – Future-ready with the Leica TCS SP8**

Life sciences are continually advancing and your research changes accordingly. Leica Microsystems is your long-term partner to help you grow your confocal equipment as needed. For example, you can start with a compact system with few solid state line lasers and evolve to a Leica TCS SP8 X with white light laser at a later time. Or start thinking about super-resolution with STED. How about moving into deep tissue imaging with prechirped IR lasers and an OPO? Or a turn-key solution for CARS. Your investment in a Leica TCS SP8 will pay off – now and in the future.

