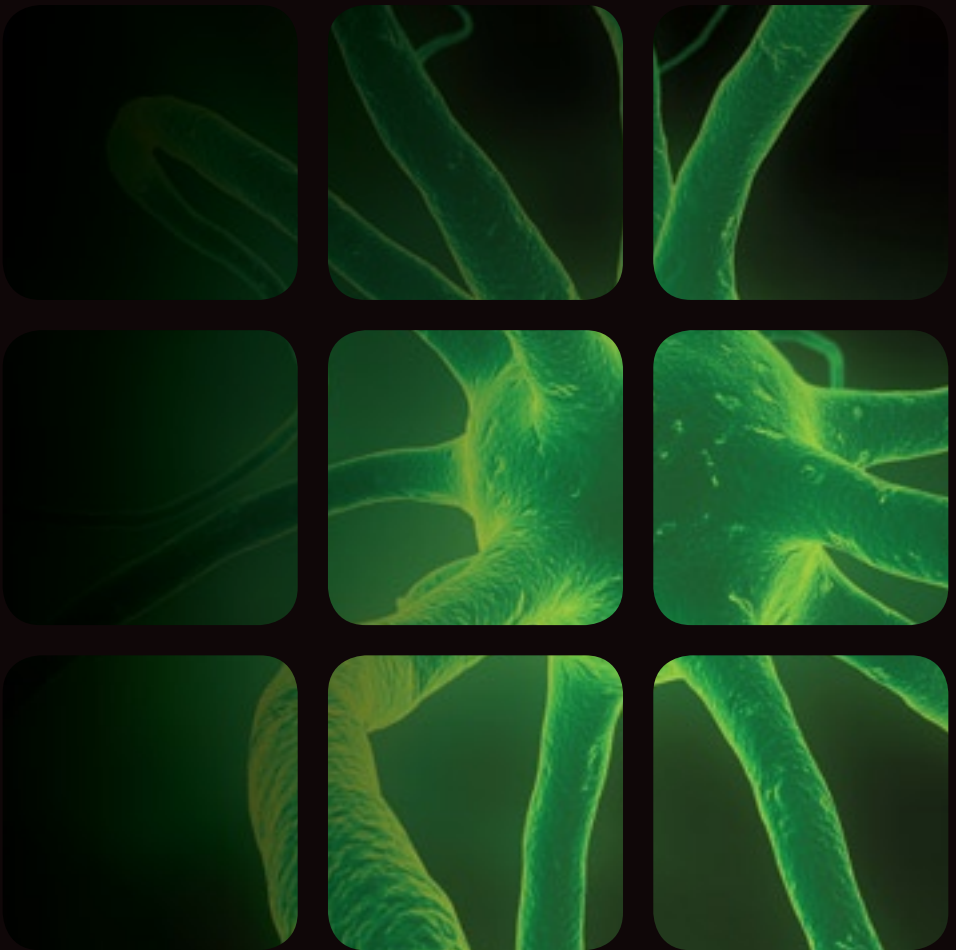


# AOKit<sup>TM</sup> *bio*

Delve deeper, see better  
with OCT, multiphoton, confocal  
and optical microscopes



*Imagine Optic*<sup>TM</sup>

# AOKit<sup>TM</sup> *bio*

Specially designed to meet the demanding needs of biologists using today's cutting-edge cellular imaging techniques, the AOKit – bio combines high-precision, high dynamic range wavefront analysis and correction hardware with the very latest in adaptive optics software to provide you with unrivalled image amelioration.

The AOKit - bio unites three unique technologies into one powerful solution that works as an enhancement to the equipment you use every day:

## **HASO<sup>TM</sup>3 - 32 wavefront sensor**



Better imaging starts with reliable beam analysis. The AOKit – bio includes a HASO3 32 wavefront sensor that ensures dependable beam measurement and analysis thanks to a wealth of unique features including absolute measurement that avoids the need for a reference beam. HASO wavefront sensors are praised by leaders around the world for their high resolution ( $\sim 160 \mu\text{m}$ ), meticulous accuracy ( $\lambda/100^1$ ) and wide dynamic range (350-1100 nm).

## **mirao<sup>TM</sup> 52-e Electromagnetic Deformable Mirror**



Correcting for the severe specimen induced aberrations that biologists often encounter requires the unique wavefront correction ability that only mirao can offer. The active component in the loop, mirao's patented design provides extraordinarily precise correction ( $0.02 \mu\text{m RMS}^2$  with 95% linearity) over an exceptionally wide dynamic range ( $\pm 50 \mu\text{m}$ ).

## **CASAO<sup>TM</sup> adaptive optics command & control software**



CASAO is a user-friendly command and control interface for open and closed-loops that allows you to harness the potential of adaptive optics. Using one ergonomic interface you can control your HASO sensor's beam measurement and analyses, command mirao to compensate for aberrations, and perform instrument diagnostics.

Both confocal and multiphoton microscope users can use the AOKit – bio directly on the laser excitation source, allowing you to reduce the size and increase the accuracy of your focal spot. Confocal microscope users will appreciate the ability to apply corrections on the source and the image signal simultaneously.

The AOKit – bio allows you to scan deeper inside samples with far greater precision than ever before. For the first time, you can dynamically fine tune your image to eliminate severe aberrations thereby improving image quality on both the axial and transverse axis.

To learn more and to find a distributor near you, please visit [imagine-optic.com](http://imagine-optic.com) or call +33 (0)1 64 86 15 60.



[imagine-optic.com](http://imagine-optic.com)