

## **Imagine Optic™ Exhibits Adaptive Optics Kit for Bioimaging at Optics East**

*All-in-one kit provides complete adaptive optics solution for researchers in biology, biotechnology, medicine*

Boston, September 10, 2007 – Imagine Optic, Europe's leading provider of Shack-Hartmann wavefront sensing technologies, will be exhibiting this week at SPIE Optics East, an annual meeting for organizations at the forefront of optics and photonics research. Imagine Optic will be exhibiting their newest offering in adaptive optics technology, the AOKit™-bio, a powerful solution for improving microscopic imaging for biologists.

The AOKit-bio consists of three different patented technologies, packaged together to accommodate unique applications in microscopy:

- The HASO™3 wavefront sensor, an award-winning Shack-Hartmann sensor that ensures dependable beam measurement and analysis
- The mirao™-52d electromagnetic deformable mirror, which enables precise correction for specimen-induced aberrations in microscopic images
- CASAO™, an intuitive and ergonomic software interface that gives users integrated command and control of the HASO3 and the mirao-52d

The AOKit-bio has been developed to provide unprecedented image precision to biologists using both multi-photon and confocal microscopes. Researchers at the University of California San Francisco and the Howard Hughes Medical Institute in Chevy Chase, Maryland have already begun to use Imagine Optic's AOKit-bio for improved microscopic imaging.

"We have developed a new microscope using the Imagine Optic mirao and HASO," said Peter Kner, Ph.D. and Optical Physicist at the Sedat Lab at UCSF. "We are very pleased with the performance and excited about the possibilities for adaptive optics in biological microscopy."

Industry-wide adoption of the AOKit-bio could have a wide variety of applications, including the earlier detection of cancer as a result of the more precise deep tissue images.

Imagine Optic will be present at booth 251 at Optics East in Boston, MA during the exposition dates from September 9<sup>th</sup> through 12<sup>th</sup>. For more information, please visit <http://www.imagine-optic.com>.

### About Imagine Optic

Founded in Orsay, France in 1996, the company is Europe's leading provider of Shack-Hartmann wavefront sensing technologies for adaptive optics, quality control and optical measurement. In 2005, Imagine Optic introduced the world's first X-EUV wavefront sensor to respond to customer needs in this synchrotron metrology and nanolithography and, in 2007, the company released a completely renewed version of its award winning HASO sensor line as well as adaptive optics and companion software packages. It continues to be a leader in research and development with projects currently underway in the domains of free space communications and adaptive optics for high-power lasers.

Imagine Optics' clients are among the world's top companies and include Sony, Nikon, Thomson, Zeiss, NASA, the U.S. Air Force, Essilor, Thales Aliena Space, EADS, the European

Southern Observatory, the European Space Agency (ESA), amongst others. In 2006, Imagine Optic realized a turnover of €2,4M and currently employs 23 highly qualified professionals in a variety of domains. If you would like to learn more about us, please visit [www.imagine-optic.com](http://www.imagine-optic.com).

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Members of the press are invited to contact Mark Zacharia by telephone at +33 (0)6 81 55 99 06, by e-mail at [mz@elucido-partners.net](mailto:mz@elucido-partners.net), or by post at 18 rue Charles de Gaulle, 91400 Orsay France.

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