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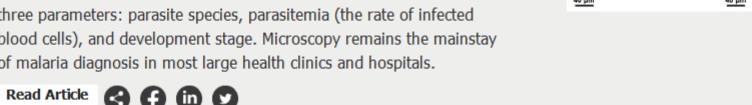
automated, label-free detection of acute infectious diseases such as malaria. Treating patients with malaria involves the determination of

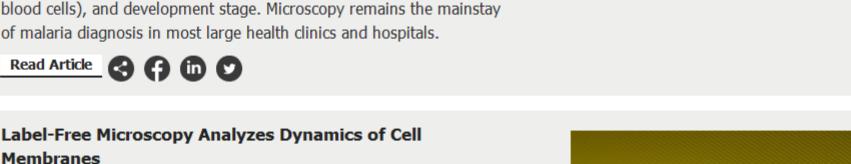
microspectroscopy techniques is paving the way toward quick,

three parameters: parasite species, parasitemia (the rate of infected blood cells), and development stage. Microscopy remains the mainstay of malaria diagnosis in most large health clinics and hospitals. Read Article (

A new live-cell imaging technique will enable researchers to observe

Examining focal adhesions — cell membrane components that regulate

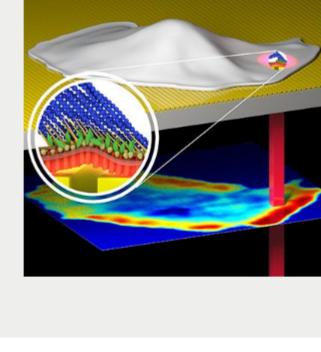




adhesion and migration — is one of the keys to understanding how a cell proliferates, differentiates, and migrates.

the formation and growth of cell membrane focal adhesions.

Read Article (A) (f) Optimizing Probe Positioning for Life Science Research



Photonics technologies enable life scientists to probe samples in the increasingly sophisticated study of processes ranging from neuron

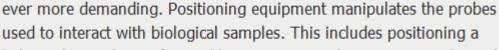




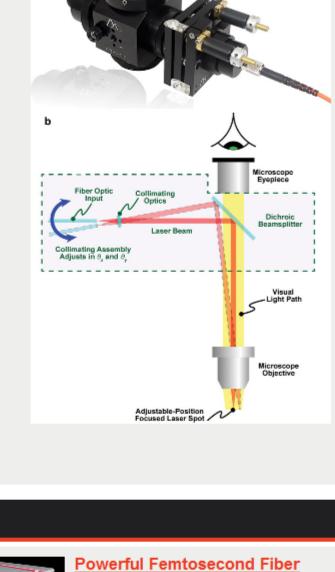


signaling to heart muscle contraction, as well as cells and cellular development. As research continues at increasingly finer levels of

resolution, the requirements for optomechanical positioning become



light probe, such as a focused laser or LED, and positioning a physical probe, such as an electrode or microsyringe.



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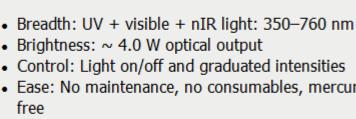
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the Eye

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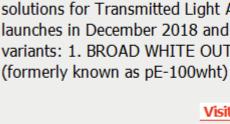
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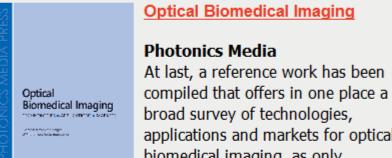
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