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Solentim
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Light sheet microscopy is an extremely powerful alternative to established fluorescence imaging techniques, especially when it comes to 3-D imaging deep within tissue or within whole live organisms. By selectively illuminating the observed optical section with a thin sheet of light, photo bleaching is reduced to a minimum, making light sheet microscopy ideal for nondestructive imaging of fragile samples over extended periods of time. Since such orthogonal arrangements provide true optical sectioning capability, appropriately prepared millimeter-sized samples can be imaged extremely fast and with remarkable resolution and penetration depth. Our panel of experts will introduce the audience to this novel and powerful technique, providing real-world examples of its application in a variety of research settings.

**June 14, 2012**

12 noon ET, 9 a.m. PT, 4 p.m. GMT, 5 p.m. UK

Light sheet microscopy is an extremely powerful alternative to established fluorescence imaging techniques, especially when it comes to 3-D imaging deep within tissue or within whole live organisms. By selectively illuminating the observed optical section with a thin sheet of light, photo bleaching is reduced to a minimum, making light sheet microscopy ideal for nondestructive imaging of fragile samples over extended periods of time. Since such orthogonal arrangements provide true optical sectioning capability, appropriately prepared millimeter-sized samples can be imaged extremely fast and with remarkable resolution and penetration depth. Our panel of experts will introduce the audience to this novel and powerful technique, providing real-world examples of its application in a variety of research settings.

**During the webinar, our speakers will:**

- Give a brief summary of the technique, its advantages, and its challenges
- Present the advances in their research made possible through the use of light sheet microscopy
- Answer questions submitted by you!

**Participating Speakers**

**Ernst H. K. Stelzer, Ph.D.**
Goethe University
Frankfurt, Germany

**Pavel Tomancak, Ph.D.**
Max Planck Institute of Molecular Cell Biology and Genetics
Dresden, Germany

**Lars Hufnagel, Ph.D.**
European Molecular Biology Laboratory
Heidelberg, Germany

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