



Don't be LED into believing that it's all about the light source: Maximising fluorescence performance with correct selection of filters

LED's are now the popular choice when it comes to both brightfield and fluorescence microscopy. Just like with the technologies that LED's replace the use of optical filters is key to getting the right results, whether in a clinical or research environment.

Whilst the latest CoolLED fluorescence illumination systems have been designed with flexibility in mind and to work with a large range of filter sets, it is often not appreciated just how significant optimal filter selection is.

In this workshop we will look at the effects of good and bad filter selection and give guidance on making the right choices. This could be to achieve the best brightness or contrast or to solve issues with bleed through and cross talk.

We will also look at application specific solutions solved the LED way such as pinkel configurations for high speed imaging and how calcium imaging and NIR applications can be tackled.