

# Fiber-based light source with multi-color output and fast wavelength tuning

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A fiber-based light source with multi-color output and a fast wavelength tuning mechanism is presented. The combination of a frequency modulation scheme for pulse-to-pulse wavelength-switching and low-noise operation with a relative intensity noise of  $-153.7$  dBc/Hz makes this light source well suited for nonlinear microscopy applications.

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