

# **A targeted illumination optical fiber probe for high resolution fluorescence imaging and optical switching**

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## Supplementary Video legends

Supplementary Video 1: Demonstration of multispectral spatiotemporal optical switching

Supplementary Video 2: Targeted optical switching using the developed fiber probe

Supplementary Video 3: Region specific scanning- example 1

Supplementary Video 4: Region specific scanning- example 2

Supplementary Video 5: Demonstration of fiberlet selection control and illumination with selective subcellular illumination.