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Wednesday, July 19, 2017

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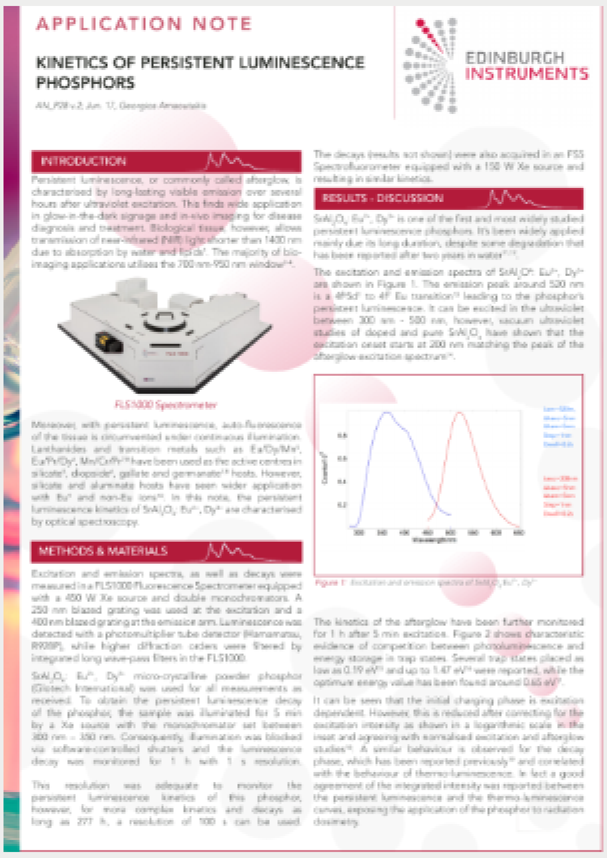
APPLICATION NOTE

KINETICS OF PERSISTENT LUMINESCENCE PHOSPHORS

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## Application Note: Kinetics of Persistent Luminescence Phosphors

Persistent luminescence, or commonly called afterglow, is characterized by long-lasting visible emission over several hours after ultraviolet excitation. This finds wide application in glow-in-the-dark signage and in-vivo imaging for disease diagnosis and treatment. Biological tissue, however, allows transmission of near-infrared (NIR) light shorter than 1400 nm due to absorption by water and lipids. The majority of bio-imaging applications utilizes the 700 nm-950 nm window.

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