



New NIR-II Emission Probe for *In vivo* Imaging

Researchers around Jianhua Hao demonstrate targeted *in vivo* imaging with a new emission probe. The fluorescent molecule has a bright and relatively small band emission around 1330nm and is rapidly excreted by a life organism making it very suitable for clinical NIR-II imaging applications. The researchers show imaging of kidney function and filling of a mouse bladder as well as detection of small millimeter sized tumors.

Furthermore, the researchers can combine their technique with X-ray imaging as the probe is a good X-ray imaging agent as well.

Featured Paper/ Publication: [Second near-infrared emissive lanthanide complex for fast renal-clearable *in vivo* optical bioimaging and tiny tumor detection.](#)
Biomaterials, 2018

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Products used: [NIRvana](#)