



## Cherenkov Light to Detect Molecular Sensors

Researchers around Brian Pogue report on experiments where they use Cherenkov Light produced from X-ray radiation is used to excite molecular sensors and detect their excited luminescence. This approach allows them to image oxygen sensors located up to a few cm in tissue with great spatial resolution.

**Featured Paper/ Publication:** [Radiotherapy-induced Cherenkov luminescence imaging in a human body phantom.](#)

Journal of Biomedical Optics. 2018

**Reference Lab:**

Brian Pogue, Dartmouth, USA

**Products used:**

[PI-MAX](#)

