

## Accepted Manuscript

Title: Progress in the development of nanosensitizers for X-ray-induced photodynamic therapy

Authors: Xu-Dong Ren, Xiu-Yun Hao, Hong-Cai Li, Mei-Rong Ke, Bi-Yuan Zheng, Jian-Dong Huang



PII: S1359-6446(18)30049-7  
DOI: <https://doi.org/10.1016/j.drudis.2018.05.029>  
Reference: DRUDIS 2251

To appear in:

Please cite this article as: Ren, Xu-Dong, Hao, Xiu-Yun, Li, Hong-Cai, Ke, Mei-Rong, Zheng, Bi-Yuan, Huang, Jian-Dong, Progress in the development of nanosensitizers for X-ray-induced photodynamic therapy. Drug Discovery Today <https://doi.org/10.1016/j.drudis.2018.05.029>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# Progress in the development of nanosensitizers for X-ray-induced photodynamic therapy

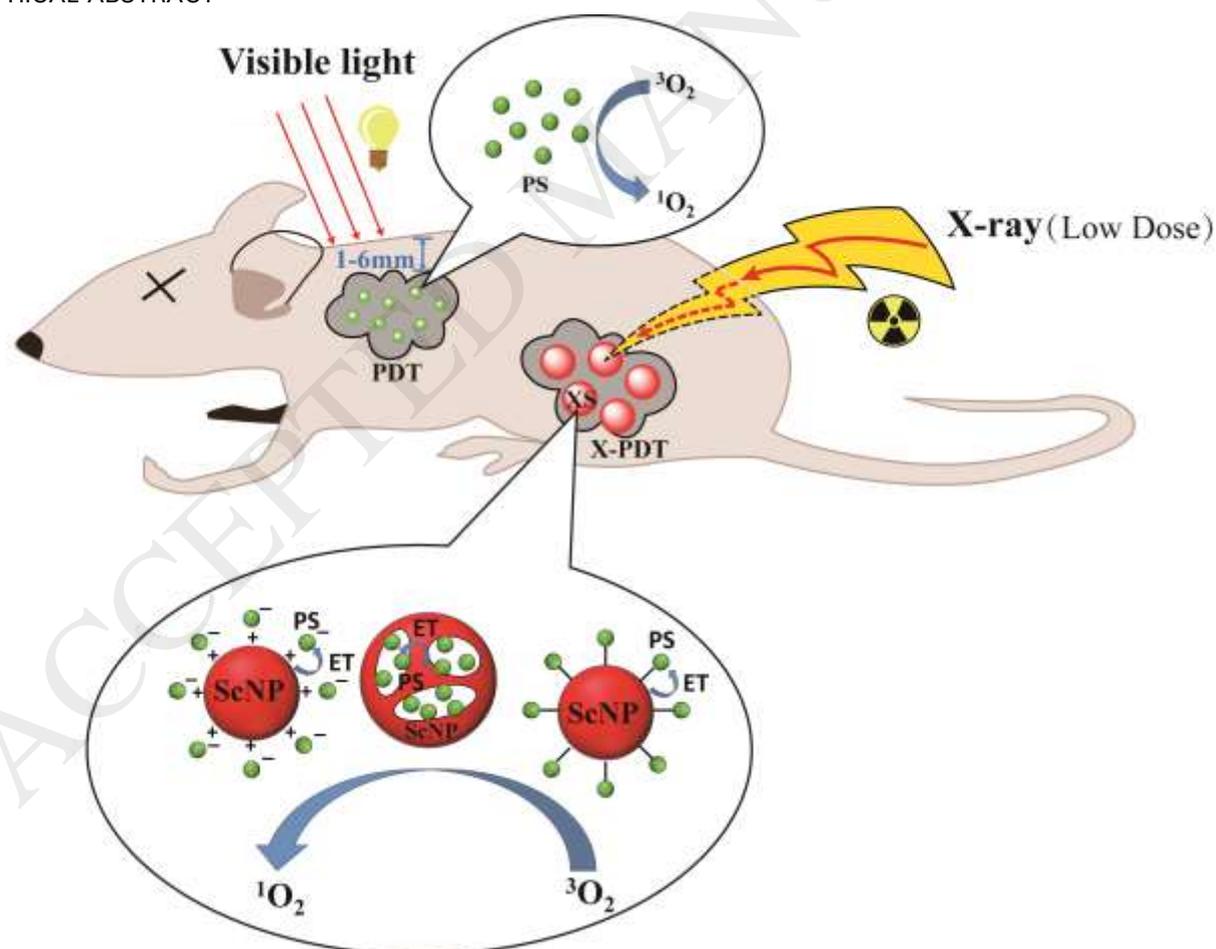
Xu-Dong Ren,<sup>1</sup> Xiu-Yun Hao,<sup>1</sup> Hong-Cai Li,<sup>1</sup> Mei-Rong Ke,<sup>1</sup> Bi-Yuan Zheng,<sup>1</sup> and Jian-Dong Huang<sup>1</sup>

<sup>1</sup>College of Chemistry, State Key Laboratory of Photocatalysis on Energy and Environment, Fujian Provincial Key Laboratory of Cancer Metastasis Chemoprevention and Chemotherapy, Fuzhou University, Fuzhou 350116, China  
Corresponding author: Huang, J-D. (jdhuang@fzu.edu.cn)

**Keywords:** X-ray-induced photodynamic therapy; X-ray-induced sensitizer; deep-seated tumor; nanosensitizer; scintillation nanoparticle.

**Teaser:** X-ray-induced photodynamic therapy, which is an emerging and promising therapeutic modality for deep-seated tumors owing to the strong tissue penetration of X-rays, will open new avenues for deep photodynamic therapies of cancers.

GRAPHICAL ABSTRACT



Download English Version:

<https://daneshyari.com/en/article/11019546>

Download Persian Version:

<https://daneshyari.com/article/11019546>

[Daneshyari.com](https://daneshyari.com)