

Accepted Manuscript

Lanthanide-doped nanoparticles conjugated with an anti-CD33 antibody and a p53-activating peptide for acute myeloid leukemia therapy

Fan Niu, Jin Yan, Bohan Ma, Shichao Li, Yongping Shao, Pengcheng He, Wanggang Zhang, Wangxiao He, Peter X. Ma, Wuyuan Lu



PII: S0142-9612(18)30192-3

DOI: [10.1016/j.biomaterials.2018.03.025](https://doi.org/10.1016/j.biomaterials.2018.03.025)

Reference: JBMT 18551

To appear in: *Biomaterials*

Received Date: 18 February 2018

Revised Date: 12 March 2018

Accepted Date: 12 March 2018

Please cite this article as: Niu F, Yan J, Ma B, Li S, Shao Y, He P, Zhang W, He W, Ma PX, Lu W, Lanthanide-doped nanoparticles conjugated with an anti-CD33 antibody and a p53-activating peptide for acute myeloid leukemia therapy, *Biomaterials* (2018), doi: 10.1016/j.biomaterials.2018.03.025.

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.

Lanthanide-doped nanoparticles conjugated with an anti-CD33 antibody and a p53-activating peptide for acute myeloid leukemia therapy

**Fan Niu^{1,†}, Jin Yan^{2,†}, Bohan Ma¹, Shichao Li¹, Yongping Shao¹, Pengcheng He³,
Wanggang Zhang⁴, Wangxiao He^{1,*}, Peter X. Ma^{2,5,*}, Wuyuan Lu^{1,6,*}**

¹Center for Translational Medicine, Frontier Institute of Science and Technology,
Xi'an Jiaotong University, Xi'an 710049, China

²Center for Bioengineering and Regenerative Medicine, Frontier Institute of Science
and Technology, Xi'an Jiaotong University, Xi'an 710049, China

³Department of Hematology, The First Affiliated Hospital of Xi'an Jiaotong
University, Xi'an 710061, China

⁴Department of Hematology, The Second Affiliated Hospital of Xi'an Jiaotong
University, Xi'an 710061, China

⁵Department of Biologic and Materials Sciences, Department of Biomedical
Engineering, Macromolecular Science and Engineering Center, Department of
Materials Science and Engineering, University of Michigan, Ann Arbor, Michigan
48109, USA

⁶Institute of Human Virology and Department of Biochemistry and Molecular
Biology, University of Maryland School of Medicine, Baltimore, MD 21201, USA

*Corresponding author: wlu@ihv.umaryland.edu, mapx@umich.edu or
hewangxiao@stu.edu.xjtu.cn

†These authors contributed equally to this work.

Download English Version:

<https://daneshyari.com/en/article/6484550>

Download Persian Version:

<https://daneshyari.com/article/6484550>

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