

Accepted Manuscript

Targeting epigenetic pathway with gold nanoparticles for acute myeloid leukemia therapy

Rong Deng, Na Shen, Yang Yang, Hongliang Yu, Shuping Xu, Ying-Wei Yang, Shujun Liu, Kamel Meguellati, Fei Yan



PII: S0142-9612(18)30181-9

DOI: [10.1016/j.biomaterials.2018.03.013](https://doi.org/10.1016/j.biomaterials.2018.03.013)

Reference: JBMT 18539

To appear in: *Biomaterials*

Received Date: 17 December 2017

Revised Date: 10 March 2018

Accepted Date: 11 March 2018

Please cite this article as: Deng R, Shen N, Yang Y, Yu H, Xu S, Yang Y-W, Liu S, Meguellati K, Yan F, Targeting epigenetic pathway with gold nanoparticles for acute myeloid leukemia therapy, *Biomaterials* (2018), doi: [10.1016/j.biomaterials.2018.03.013](https://doi.org/10.1016/j.biomaterials.2018.03.013).

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.

Targeting epigenetic pathway with gold nanoparticles for acute myeloid leukemia therapy

Rong Deng^{a,b}, Na Shen^c, Yang Yang^a, Hongliang Yu^b, Shuping Xu^d, Ying-Wei Yang^b, Shujun Liu^e, Kamel Meguellati^{b,*}, Fei Yan^{a,b,*}

^aState Key Laboratory of Inorganic Synthesis and Preparative Chemistry, International Research Center for Chemistry-Medicine Joint Innovation, College of Chemistry, Jilin University, 2699 Qianjin Street, Changchun 130012, China

^bInternational Joint Research Laboratory of Nano-Micro Architecture Chemistry (NMAC), College of Chemistry, Jilin University, 2699 Qianjin Street, Changchun 130012, China

^cKey Laboratory of Polymer Ecomaterials, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, China

^dState Key Laboratory of Supramolecular Structure and Materials, Institute of Theoretical Chemistry, Jilin University, Changchun, 130012, China

^eThe Hormel Institute, University of Minnesota, 801 16th Avenue NE, Austin, MN 55912, USA;

Correspondence and requests for materials should be addressed to F. Y. (email: feiyang@jlu.edu.cn) or to K. M. (email: kameljilin@yahoo.fr).

Key words: Gold nanoparticles; Acute myeloid leukemia; microRNA; DNA methylation; Signaling pathway

Download English Version:

<https://daneshyari.com/en/article/6484549>

Download Persian Version:

<https://daneshyari.com/article/6484549>

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