# Article information:

Targeting of CXCR1 on Osteosarcoma Circulating Tumor Cells and Precise Treatment via Cisplatin Nanodelivery - Han - 2019 - Advanced Functional Materials - Wiley Online Library  
<https://onlinelibrary.wiley.com/doi/full/10.1002/adfm.201902246>

# Article summary:

1. CSCs and OSCs play central roles in tumor recurrence, metastasis, and chemoresistance in osteosarcoma.

2. CXCR1 is overexpressed in circulating tumor cells (CTCs) derived from an OS animal model and is closely related to CSCs.

3. Drug delivery nanoparticles can be linked with molecular probes to target specific cells by coupling with cell surface markers, such as CXCR1 targeting peptides designed to target osteosarcoma CTCs.

# Article rating:

Appears moderately imbalanced: The article provides some useful information, but is missing several important points or pieces of evidence that would be required to present the discussed topics in a balanced and reliable way. You are encouraged to seek a more balanced perspective on the presented issues by exploring the provided research topics and looking at different information sources.

# Article analysis:

该文章提出了针对CXCR1的靶向治疗骨肉瘤循环肿瘤细胞和精确治疗的方法。然而，该文章存在一些潜在的偏见和不足之处。

首先，该文章没有充分探讨CXCR1靶向治疗可能带来的风险和副作用。虽然CXCR1已被证明与肿瘤转移、化疗耐药等方面有关，但其在正常生理过程中也扮演着重要角色。因此，在使用CXCR1靶向治疗时需要谨慎考虑其可能带来的负面影响。

其次，该文章未能平等地呈现双方观点。虽然作者提到了一些反驳意见，但并未深入探讨这些反驳意见是否具有说服力，并且更多地强调了自己的观点。

此外，该文章缺乏充分的实验证据来支持其主张。尽管作者提到了一些早期的研究结果以及自己之前的工作，但这些结果并不能完全证明CXCR1靶向治疗是有效的。

最后，该文章可能存在宣传内容和偏袒之嫌。作者强调了自己所提出方法的优势，并未充分探讨其他可能存在的治疗方法或局限性。

综上所述，虽然该文章提出了一个新颖且有前途的治疗方法，但仍需进一步实验验证，并注意到可能存在的风险和副作用。同时，在报道时应平等呈现双方观点，并避免宣传内容和偏袒倾向。

# Topics for further research:

* Potential risks and side effects of CXCR1 targeted therapy
* Balanced presentation of opposing viewpoints
* Need for further experimental evidence to support claims
* Avoidance of promotional content and bias
* Importance of cautious consideration of CXCR1's role in normal physiology
* Exploration of alternative treatment methods and limitations

# Report location:

<https://www.fullpicture.app/item/051a44c7ff0b38862af8e9430ba6d362>