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**论文信息**

2019年6月5日，北部战区总医院整形与修复重建外科在Aging期刊上在线发表题为**"Apigenin inhibits growth and migration of fibroblasts by suppressing FAK signaling"**(芹菜素通过抑制FAK信号通路抑制成纤维细胞的生长和迁移)论文。

第一作者：北部战区总医院 Hongyi Wang，Bingyu Guo

通讯作者：北部战区总医院 Kai Tao（音译 陶凯）

本研究得到了辽宁省自然科学基金（20180550689）的支持。



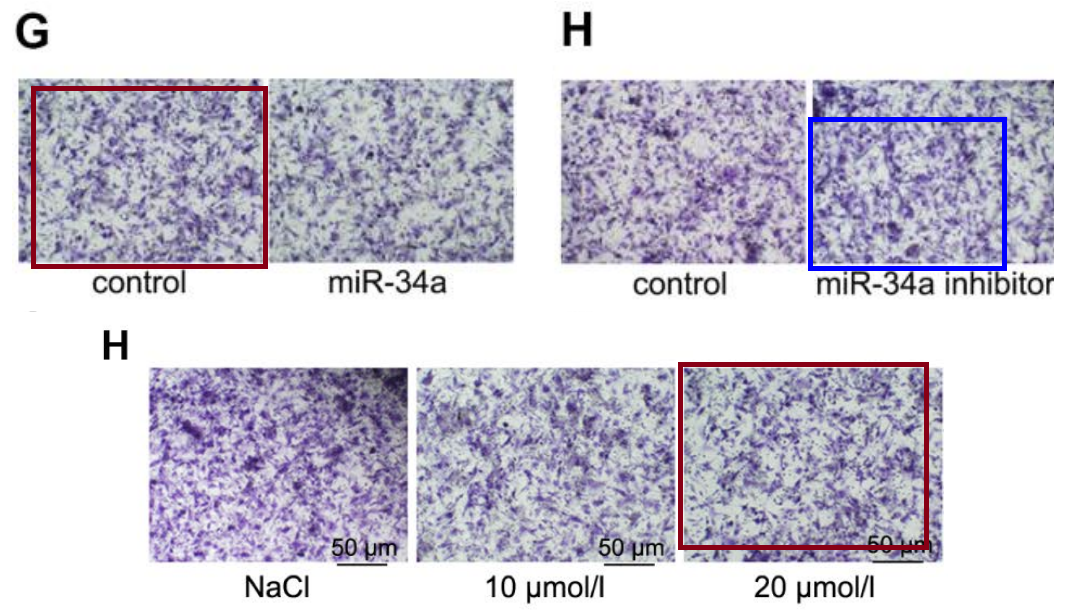




**质疑信息**

**#1**[above] Fig 2G/H from "miR-34a inhibits melanoma growth by targeting ZEB1" (Xu et al 2021).

[below] Fig 1H.



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[left] Fig 1H,I.

[right] Figs 4A, 5B from "miR-627-3p inhibits osteosarcoma cell proliferation and metastasis by targeting PTN" (He et al 2019).

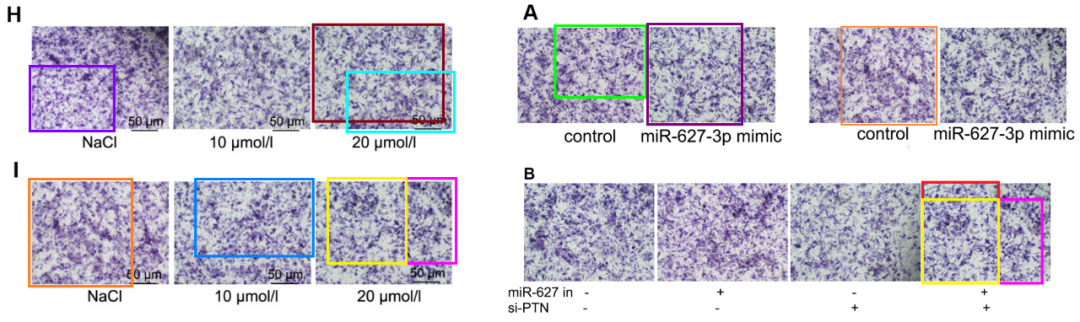
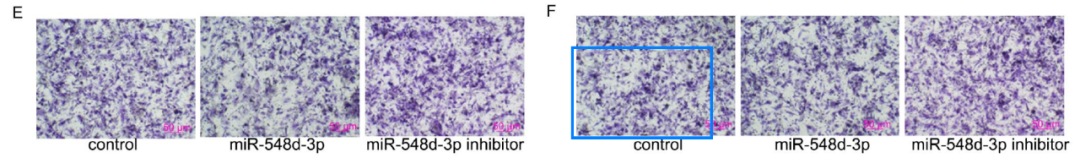
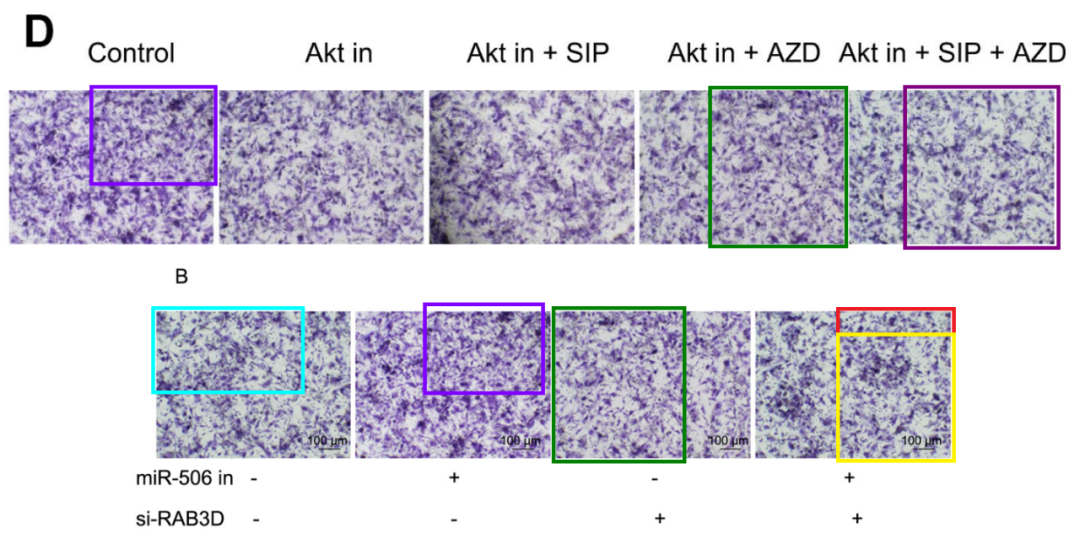


Fig 3E,F from "miR-548d-3p inhibits osteosarcoma by downregulating KRAS" (Chen et al 2019).

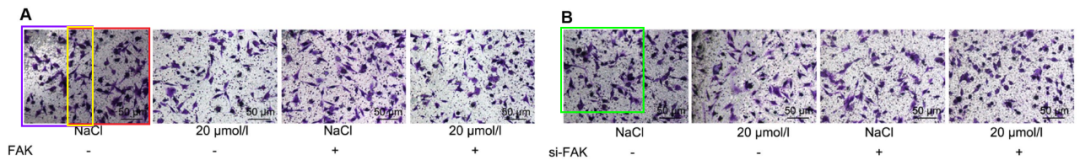


[above] Fig 5D from "Sulfated polysaccharide of Sepiella maindroni ink targets Akt and overcomes resistance to the FGFR inhibitor AZD4547 in bladder cancer" (Shan et al 2019).

[below] Fig 5B from "MicroRNA-506-3p inhibits osteosarcoma cell proliferation and metastasis by suppressing RAB3D expression" (Wang et al 2018).



**#2**Fig 4A,B.

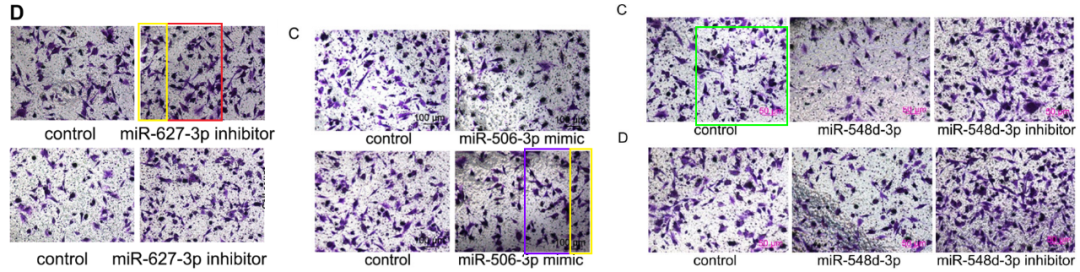


Left to right:

Fig 4D from "miR‐627‐3p inhibits osteosarcoma cell proliferation and metastasis by targeting PTN" (He et al 2019).

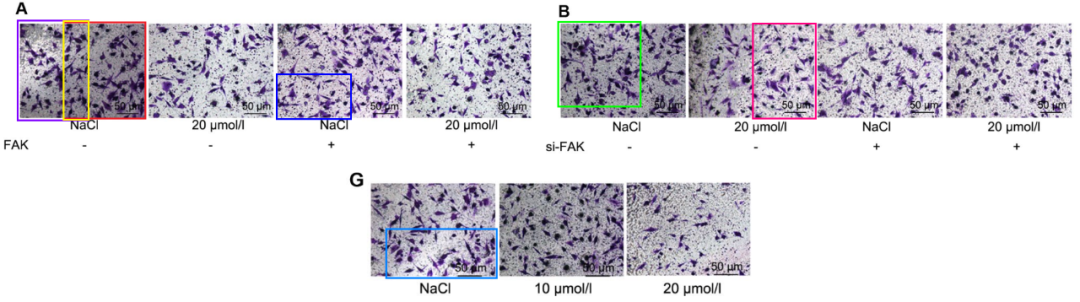
Fig 4C from "MicroRNA‐506‐3p inhibits osteosarcoma cell proliferation and metastasis by suppressing RAB3D expression" (Wang et al 2018).

Fig 3C,D from "miR-548d-3p inhibits osteosarcoma by downregulating KRAS" (Chen et al 2019).



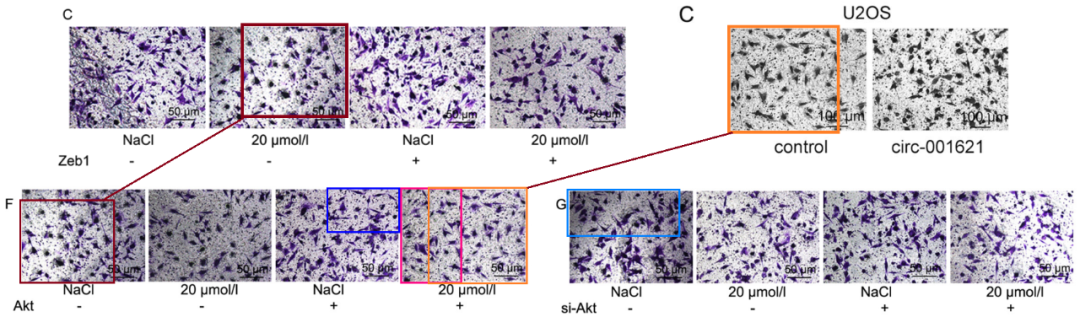
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**#3**Figs 4A,b and 1G from "Apigenin inhibits growth and migration of fibroblasts by suppressing FAK signaling" (Wang et al 2019).



[above] Figs 4C from "Naringin targets Zeb1to suppress osteosarcoma cell proliferation and metastasis" (He et al 2018), and 4C from "Circular RNA circ\_001621 promotes osteosarcoma cells proliferation and migration by sponging miR-578 and regulating VEGF expression" (Ji et al 2020).

[below] Fig 4F,G from "Naringin suppresses the growth and motility of hypertrophic scar fibroblasts by inhibiting the kinase activity of Akt" (Song et al 2018).



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**撤稿原因**

**本文已于2025年3月26日被撤回：**

本文已被撤回：《衰老》杂志已完成对此论文的调查。我们发现存在多处图像重复使用的情况，且这些图像与来自不同机构的无关论文中的图像重叠。具体情况如下：

图1：

图1G中的跨孔分析图像重复使用了作者先前论文[1]中图4G的图像；

图1H中的对照跨孔分析图像在作者2021年的论文[2]（该论文已被撤回）的图2G中被重复使用；

图1H中的对照跨孔分析图像与已被撤回的论文[3]中图5D的一个无关图像重叠；

图1H、1I中的图像与先前发表的无关论文[4]中图5B的图像重叠；

此外，图1I中的图像与已被撤回的论文[5]中图4A和图5B的图像重叠；

另外，图1I中的图像在同时发表的论文[6]的图3F中被发现。

图4：

图4A、4B中的跨孔分析图像被发现与[1]中图4F、[4]中图4C、[5]中图4D以及[6]中图3C的图像重叠。

通讯作者告知我们，这些重叠是由于实验室数据存储不当造成的，并已申请撤回论文。鉴于这些发现，编辑部的决定是撤回该论文。所有作者均已同意此次撤回。

涉及文章

1. Song Y, Guo B, Ma S, Chang P, Tao K. Naringin suppresses the growth and motility of hypertrophic scar fibroblasts by inhibiting the kinase activity of Akt. Biomed Pharmacother. 2018; 105:1291–8. https://doi.org/10.1016/j.biopha.2018.06.103

2. Xu Y, Guo B, Liu X, Tao K. miR-34a inhibits melanoma growth by targeting ZEB1. Aging (Albany NY). 2021; 13:15538–47. https://doi.org/10.18632/aging.203114 [PubMed] Retraction in: Aging (Albany NY). 2024; 16:13432–3. https://doi.org/10.18632/aging.206155

3. Shan L, Liu W, Zhan Y. Sulfated polysaccharide of Sepiella maindroni ink targets Akt and overcomes resistance to the FGFR inhibitor AZD4547 in bladder cancer. Aging (Albany NY). 2019; 11:7780–95. https://doi.org/10.18632/aging.102286 [PubMed] Retraction in: Aging (Albany NY). 2024; 16:12652–3. https://doi.org/10.18632/aging.206104

4. Jiashi W, Chuang Q, Zhenjun Z, Guangbin W, Bin L, Ming H. MicroRNA-506-3p inhibits osteosarcoma cell proliferation and metastasis by suppressing RAB3D expression. Aging (Albany NY). 2018; 10:1294–305. https://doi.org/10.18632/aging.101468

5. He M, Shen P, Qiu C, Wang J. miR-627-3p inhibits osteosarcoma cell proliferation and metastasis by targeting PTN. Aging (Albany NY). 2019; 11:5744–56. https://doi.org/10.18632/aging.102157 [PubMed] Retraction in: Aging (Albany NY). 2024; 16:12953–4. https://doi.org/10.18632/aging.206128

6. Chen J, Yan C, Yu H, Zhen S, Yuan Q. miR-548d-3p inhibits osteosarcoma by downregulating KRAS. Aging (Albany NY). 2019; 11:5058–69. https://doi.org/10.18632/aging.102097

**参考信息**https://pubpeer.com/publications/49E8FA51C7EB37195240CC22E9B604https://pubmed.ncbi.nlm.nih.gov/31170089/https://www.aging-us.com/article/206230/text

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