# Article information:

A bat MERS-like coronavirus circulates in pangolins and utilizes human DPP4 and host proteases for cell entry: Cell
[https://www.cell.com/cell/fulltext/S0092-8674(23)00049-1](https://www.cell.com/cell/fulltext/S0092-8674%2823%2900049-1)

# Article summary:

1. 我们发现了一种新的MERS-like冠状病毒，它在马来西亚穿山甲中循环，命名为Manis javanica HKU4相关冠状病毒（MjHKU4r-CoV）。

2. MjHKU4r-CoV-1使用人体dipeptidyl peptidase-4（hDPP4）作为受体，并利用宿主蛋白酶感染细胞，这是通过一个furin剪切位点来增强的，而这个位点在所有已知的蝙蝠HKU4r-CoVs中都不存在。

3. MjHKU4r-CoV-1对hDPP4具有更高的结合能力，并且MjHKU4r-CoV-1具有比bat HKU4-CoV更广泛的宿主范围。

# Article rating:

May be slightly imbalanced: The article presents the information in a generally reliable way, but there are minor points of consideration that could be explored further or claims that are not fully backed by appropriate evidence. Some perspectives may also be omitted, and you are encouraged to use the research topics section to explore the topic further.

# Article analysis:

本文是一项重要的、令人兴奋的、有前景的、对COVID19流行有重要影响力的新发表文章。作者们通过对86只马来西亚穿山甲样本进行pan CoV PCR和NGS分析，成功地识别出了一个新的MERS样冠状病毒——Manis javanica HKU4相关冠状病毒(MjHKU4r-CoV)。此外，作者们还将此冠状

# Topics for further research:

* MERS样冠状病毒；
* Manis javanica HKU4相关冠状病毒；
* 穿山甲样本；
* pan CoV PCR；
* NGS分析；
* COVID19流行。

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