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微生物学通报

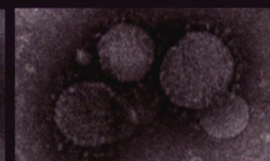
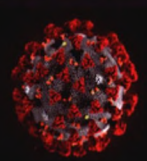
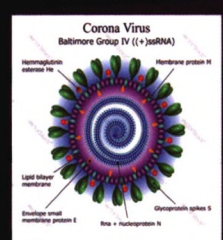
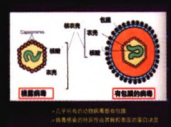
Microbiology China

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An Issue for Education
高等院校教学主题刊

特邀主编：陈向东

冠状病毒 (Coronavirus)



SARS

MERS

2019-nCov

冠状病毒为不分节段的单股正链RNA病毒，属于巢病毒目 (Nidovirales)、冠状病毒科 (Coronaviridae)，是一类主要引起呼吸道、肠道疾病的病原体，在1937年首次从家禽体内分离，而最早在人体内发现是在1965年。在电子显微镜下，这类病毒颗粒的表面有许多规则排列的突起，整个病毒颗粒就像一顶中世纪欧洲帝王的皇冠，因此被命名为“冠状病毒”。

冠状病毒的宿主丰富多样，除人类以外，还可感染猪、牛、猫、犬、貂、骆驼、蝙蝠、老鼠、刺猬等多种哺乳动物以及多种鸟类。一些冠状病毒感染后可造成人畜共患病。

已知的可感染人类的冠状病毒共有7种，其中4种冠状病毒在人群中较为常见，致病性较低，一般仅引起类似普通感冒的轻微呼吸道症状，包括人冠状病毒229E、人冠状病毒OC43、人冠状病毒NL63和人冠状病毒HKU1。另外3种则大名鼎鼎，分别是SARS (Severe Acute Respiratory Syndrome，严重急性呼吸综合征)、MERS (Middle East respiratory syndrome，中东呼吸综合征) 和2019-nCoV (2019 Novel Coronavirus，2019新型冠状病毒)



蝙蝠堪称“大自然活体病毒库”



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