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·作者与读者·

封面故事

近年来，病毒性传染病在全球频繁暴发，严重威胁着全球公共卫生。这些传染性疾病往往具有不可预见性和高传播性，高效、特异性药物的缺乏也为防控这些传染性疾病带来了巨大的困难，因此迫切需要广谱抗病毒药物的研发。

由于病毒聚合酶在进化过程中，其结构和功能较为保守，靶向病毒聚合酶的药物具有较好的广谱性。因此研究RNA病毒聚合酶的工作机制，可以为研发抗病毒药物提供重要的靶点信息，这也将极大推动新型广谱抗病毒药物研发，从而为应对各种重大传染病做好应急药物储备。

封面以沙粒病毒为代表，说明病毒聚合酶的核心作用。背景为沙粒病毒的模式图，中间红色的“心”形结构为拉沙病毒的聚合酶蛋白L和基质蛋白Z的复合物的密度图。该复合物形似一个“心”，象征着聚合酶是病毒的心脏，既体现了聚合酶的重要性，又表明了聚合酶是抗病毒药物的关键靶点。