



## The Paramyxoviruses

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By Kingsbury, David W.

Book Condition: New. Publisher/Verlag: Springer, Berlin | What justifies the size of this compendium of reviews on the paramyxoviruses? As intracellular parasites that reproduce with almost complete indifference to nuclear activities, paramyxoviruses have not been providing insights about genes that regulate cellular activities and development, topics that account for much of the excitement in modern biology. For contributions of virus research to those topics, we must look to the retroviruses, which have the propensity to steal developmentally important genes and subvert them to malignant purposes, and to the nuclear DNA viruses, whose gene expression depends heavily upon cellular transcription machinery, making them exceptionally useful tools for identifying and characterizing components of that machinery. From this perspective, it may appear that purely lytic viruses like the paramyxoviruses are sitting on the sidelines of contemporary biology. But there is plenty of action on the sidelines. Paramyxoviruses remain unconquered, devastating agents of disease. Human deaths attributable to paramyxoviruses worldwide, especially in children, are numbered in the millions annually. There are many pathogenic paramyxoviruses and too few effective vaccines, and those vaccines (against measles and mumps) are affordable only by relatively affluent nations. Moreover, the paramyxoviruses are intrinsically interesting organisms,...



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### Reviews

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