Essential Human Virology

Jennifer Louten
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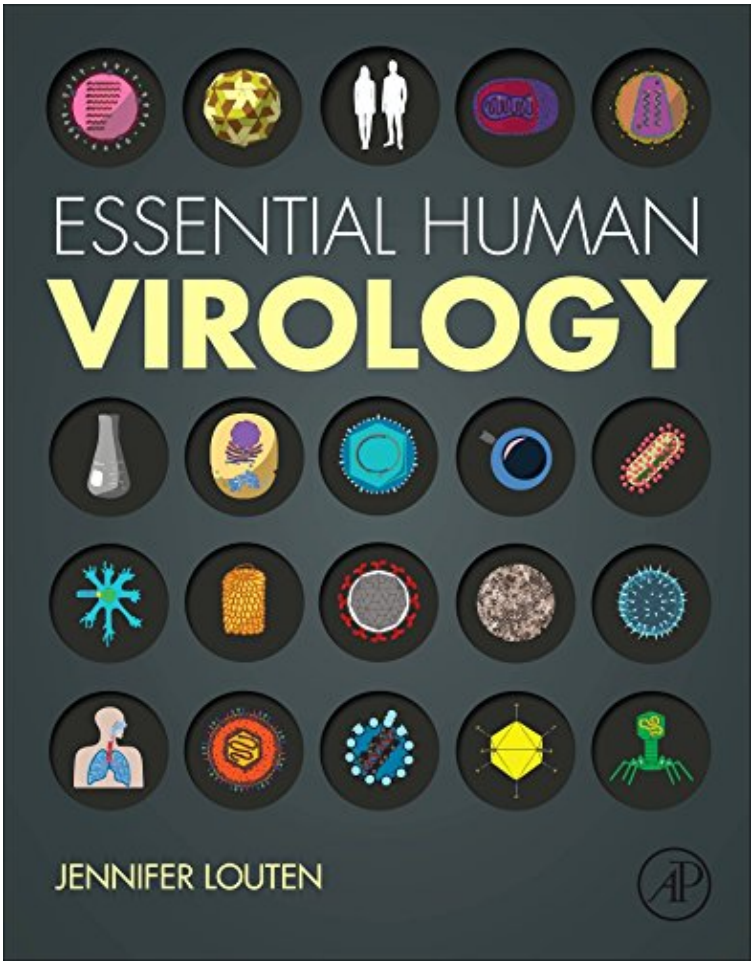

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Jennifer Louten : Essential Human Virology before purchasing it in order to gage whether or not it would be worth my time, and all praised Essential Human Virology:

Essential Human Virology is written for the undergraduate level with case studies integrated into each chapter. The structure and classification of viruses will be covered, as well as virus transmission and virus replication strategies based upon type of viral nucleic acid. Several chapters will focus on notable and recognizable viruses and the diseases caused by them, including influenza, HIV, hepatitis viruses, poliovirus, herpesviruses, and emerging and dangerous viruses. Additionally, how viruses cause disease, or pathogenesis, will be highlighted during the discussion of each virus family, and a chapter on the immune response to viruses will be included. Further, research laboratory assays and viral diagnosis assays will be discussed, as will vaccines, anti-viral drugs, gene therapy, and the beneficial uses of

viruses. By focusing on general virology principles, current and future technologies, familiar human viruses, and the effects of these viruses on humans, this textbook will provide a solid foundation in virology while keeping the interest of undergraduate students.Focuses on the human diseases and cellular pathology that viruses causeHighlights current and cutting-edge technology and associated issuesPresents real case studies and current news highlights in each chapterFeatures dynamic illustrations, chapter assessment questions, key terms, and summary of concepts, as well as an instructor website with lecture slides, test bank, and recommended activities

About the AuthorJennifer Louten received her doctoral degree from Brown University Medical School, where she investigated the cellular targets of infection and the induction of type 1 interferons following infection with lymphocytic choriomeningitis virus. Dr. Louten is currently an associate professor of biology at Kennesaw State University, where she has served as a Teaching Fellow and developed courses in virology, biotechnology, immunology, and cell culture techniques. She is presently the biotechnology program coordinator and the director of a scholarship program sponsored by a National Science Foundation grant. She is the recipient of a Kennesaw State University Outstanding Early Career Faculty Award and the Student Government Associations Faculty of the Year Award. Before becoming a professor, Dr. Louten performed research in drug discovery at Schering-Plough Biopharma (currently Merck Research Laboratories). She received her Bachelor of Science in biotechnology from the Rochester Institute of Technology.