DESCRIPTION

*Microbiology, Second Edition* helps to develop a meaningful connection with the material through the incorporation of primary literature, applications and examples, providing an ideal balance of comprehensive, in-depth coverage of core concepts, while incorporating many relevant applications and a unique focus on current research and experimentation. Information is framed around the three pillars of physiology, ecology and genetics, highlighting their interconnectedness and helping students see a bigger picture. This innovative organization establishes a firm foundation for later work and provides a perspective on real-world applications of microbiology.

ABOUT THE AUTHOR

David R. Wessner is a Professor of Biology at Davidson College. David teaches introductory biology and courses on microbiology, genetics, and HIV/AIDS. His research focuses on viral pathogenesis. He is a member of the American Society for Microbiology Committee for K–12 Education. He also is a coauthor of *Vision and Change in Undergraduate Education: A Call to Action*. Prior to
joining the faculty at Davidson, David conducted research at the Navy Medical Center. He earned his Ph.D. in Microbiology and Molecular Genetics from Harvard University and his B.A. in Biology from Franklinand Marshall College.

Christine Dupont is a Lecturer in the Department of Biology at the University of Waterloo in southern Ontario, Canada, Christine teaches undergraduate courses in genetics, biotechnology, virology, and bacterial pathogenesis. She earned her Ph.D. from Massey University, Faculty of Veterinary Science, New Zealand; B.Ed. from the University of Windsor, Ontario; and M.Sc. and B.Sc. in Microbiology from the University of Guelph, Ontario. Prior to her Ph.D. studies, Christine taught high school science for several years, developing a passion for teaching and working with students.

Trevor C. Charles is a Professor in the Department of Biology, University of Waterloo, Trevor teaches undergraduate courses in microbiology and synthetic biology, and runs a research program that focuses on plant microbe interactions and functional metagenomics. Prior to joining the faculty at Waterloo, he held a faculty position at McGill University and did postdoctoral research at the University of Washington. He earned his Ph.D. from McMaster University, and his B.Sc. in Microbiology from the University of British Columbia.

Josh D. Neufeld, as a Professor in the Department of Biology at the University of Waterloo, explores microbiology with undergraduate students in the classroom and both undergraduate and graduate students in his microbial ecology research program. Josh earned his B.Sc. and M.Sc. in Microbiology from McGill University's Macdonald Campus prior to completing a Ph.D. at the University of British Columbia and postdoctoral research at the University of Warwick.

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MINI-PAPERS...Each chapter includes a Mini-Paper example in which key research papers are summarized, and original data is presented and interpreted. Critical thinking questions called “Questions for Discussion” are offered at the end of each Mini-Paper to help students learn to ask intelligent questions and design and evaluate experiments.
**CONNECTION NOTES** ...Connection notes emphasize the interconnectedness of topics, both within a chapter and between chapters

**MICROBES IN FOCUS** ...Microbes in Focus provide a more detailed description of the habitat and key features of specific microbes that are mentioned in the chapter

**CHAPTER VIDEOS** ...Chapter Opener videos provide current examples of Microbiology in action or detail on a historically relevant discovery. Rest of the story videos reconnect students to the opening videos helping them make deeper connections with the content.

**ANIMATIONS** ...Over 125 animations integrated through the etext, many of which developed by Janet Iwasa using 3D animation techniques. Consistent with the style of the Chapter Opener illustrations, and developed to support learning objectives throughout the narrative, these animations help students visualize and master the toughest topics in Microbiology.

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