

Microbiology: A Laboratory Manual (11th Edition)

By James G. Cappuccino, Chad T. Welsh



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For courses in Microbiology Lab and Nursing and Allied Health Microbiology Lab

A Flexible Approach to the Modern Microbiology Lab

Easy to adapt for almost any microbiology lab course, this versatile, comprehensive, and clearly written manual is competitively priced and can be paired with any undergraduate microbiology text. Known for its thorough coverage, straightforward procedures, and minimal equipment requirements, the **Eleventh Edition** incorporates current safety protocols from governing bodies such as the EPA, ASM, and AOAC. The new edition also includes alternate organisms for experiments for easy customization in Biosafety Level 1 and 2 labs. New lab exercises have been added on Food Safety and revised experiments, and include options for alternate media, making the experiments affordable and accessible to all lab programs. Ample introductory material, engaging clinical applications, and laboratory safety instructions are provided for each experiment along with easy-to-follow procedures and flexible lab reports with review and critical thinking questions.



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Editorial Review

About the Author

James G. Cappuccino is a retired professor emeritus of microbiology from the Department of Biology of the State University of New York at Rockland Community College in Suffern, New York. He received his B.S degree from Seton Hall University in 1951, his M.S degree (1955) and his Ph.D. (1957) in microbiology from Rutgers University in New Brunswick, New Jersey. He was the author and co-author of numerous papers in the area of cancer research, and was a member of the faculty of the Sloan Kettering Division of the Graduate school of Medical Sciences at Cornell University where he taught microbiology from 1957-1970. From there, he taught microbiology, parasitology and clinical chemistry at SUNY Rockland until 2008. He was awarded the status of emeritus professor in 2012. In 1991 he was the recipient of the Chancellor's award from the State University of New York for Excellence in Teaching. He is an emeritus member of the American Society for Cancer Research (ASCR) and an emeritus member of American society for Microbiology (ASM). When not writing he enjoys spending time with his wife Elaine and their family at their summer home at the New Jersey shore. He also enjoys theater, literature, and the quiet hour in his wood working shop.

Chad T. Welsh holds a Ph.D. in Microbiology and Immunology from the University of Louisville, School of Medicine, also an M.S. and B.S. in Biology from Middle Tennessee State University. Currently he is the Chair of the Division of Biological and Earth Sciences at Lindenwood University in St. Charles, MO where he has the privilege of teaching Microbiology, both for non-majors and majors, Cellular Immunology, Parasitology, and many other courses since 2010. His research interests fall within bacteriology, eukaryotic cell biology, and immunology, focusing primarily on intracellular eukaryotic signals in response to pulmonary bacterial pathogens. His mentored research projects with his students have spanned the interest areas of soil microbial ecology, immune stress responses in collegiate athletes, oral bacterial flora communities, and many others.

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