

Acknowledgments

This edition marks the 20th anniversary of the first publication of *Foundations* in 1993. Looking back over the previous 8 editions, the authors are struck by the extensive discoveries and new developments in the science of microbiology that are reflected in the changing content and character of this book. This 9th edition is no exception. The one thing that has remained constant and unchanging over these years is the outstanding collaboration we enjoy with the editorial and production staff at McGraw-Hill Education. This time around, we have been fortunate to have the able assistance and expertise of developmental editor Mandy Clark, keeping us on track and providing much needed moral support. We also appreciate the insights and contributions of brand manager Amy Reed and marketing manager Patrick Reidy. Our project manager Daryl Brufodt has been an experienced and knowledgeable guide through the intricacies of a digital-style revision. We value the capable and diligent efforts of Heidi Smith to develop and improve the digital assets for the Connect website.

Other valued members of our team who have been instrumental in developing the text's visual elements are Carrie Burger, the content licensing specialist, Danny Meldung at Photo Affairs, and the designer Tara McDermott, who has produced another striking book and cover design. Some of the unsung heroes of authors are the readers who must sift through the text with a fine-tooth comb, checking for errors, grammatical usage, and consistency in style. This tedious job fell this time to copy editor Bea Sussman and proofreaders Dawnelle Krouse and Judy Gantenbein. After poring over 800 plus pages of text in a few months, they may feel like they've taken a crash course in microbiology.

We rely on the review process to uncover errors, check content, clarify points, and get feedback on accuracy, order, depth, organization, and readability. All of our reviewers provided helpful and constructive suggestions. We are especially indebted to the thorough and careful reviewing by Michael Black of California State Polytechnic Institute, Joe Wolf of Elizabethtown Community and Technical College, Lahn Bloodworth of Florida State College-Jacksonville, Jason Gee of East Carolina University, Mark Farinha of Anne Arundel Community College, Robin Hulbert of California State Polytechnic Institute, and Michelle Milner, Itawamba Community College. As we have pointed out in the past, this book has been a meeting ground for hundreds of contributors over 30 years, whose knowledge and expertise have greatly shaped the end product.

It takes about a year and a half to complete a textbook revision—a process that involves editing manuscript, writing new text, illustration, research, and much more. During this time, the entire text and art program are inspected at least six times by the authors and team members. Even with the keenest eyes and spell checks, some typos, errors, oversights, and other mistakes may end up on the printed page. If you find any of these or wish to make other comments, feel free to contact the publisher, sales representative, or authors (ktalaro@aol.com and bxchess@Pasadena.edu).

We hope that you enjoy your explorations in the microbial world and that this fascinating science will leave a lasting impression on you.

—Kathy Talaro and Barry Chess

Reviewers

Lahn Bloodworth, *Florida State College at Jacksonville*
Carroll W. Bottoms, Ph.D., *Collin College*
Laurie M. Bradley, *Hudson Valley Community College*
Marisa Cases, *Manchester Community College*
Dianne M. Fair, *Florida State College at Jacksonville, South Campus*
Mark Farinha, Ph.D., *Anne Arundel Community College*
Daniel Ford, *University of Kansas*
Jason Gee, *East Carolina University*
Robert A. Hattaway, *Georgia Southern University*
Nazanin Hebel, *Houston Community College System, Northwest*
Robin Hulbert, *Cal Poly, San Luis Obispo*
Sandra Kaiser, *St. Louis Community College—Meramec*
Peter Kourtev, *Central Michigan University*
Kristine Lowe, *University of Texas—Pan American*
Elizabeth A. Maher, *Ivy Tech Community College*
Luis Materon, *University of Texas—Pan American*
Dr. Craighton S. Mauk, *Gateway Community and Technical College*
Reza Marvdashti, Ph.D., CG, *San Jacinto College Central*
Steve McConnell, *Southeast Community College*
Sharon Miles, *Itawamba Community College*
Michelle Milner, *Itawamba Community College*
Mandy Mitchell, *Hinds Community College*
Anne Montgomery, *Pikes Peak Community College*
Terence C. Paddack, *Weatherford College Wise County*
Robin Patterson, *Butler County Community College*
George Risinger, *Oklahoma City Community College*
Kim Raun, *Wharton County Junior College*
Jean Revie, *South Mountain Community College*
Jenna Simpson, *Iowa Western Community College*
Sherry Stewart, *Navarro College*
Lisa M. Strain, *Northeast Lakeview College*
Teresa Wilmoth, *Baker College Port Huron, MI*

Symposium Attendees for Front Matter of Talaro 9e

Dena Berg, *Tarrant County College NW*
Carrie Bottoms, *Collin College—Frisco*
William Boyko, *Sinclair Community College*
Chad Brooks, *Austin Peay State University*
Liz Carrington, *Tarrant County College, SE Campus*
Erin Christensen, *Middlesex Community College*
Paula Curbo, *Hill College*
Alison Davis, *East Los Angeles College*
Susan Finazzo, *Georgia Perimeter College*
Amy Goode, *Illinois Central College*
Todd Gordon, *Kansas City Kansas Community College*
Gabriel Guzman, *Triton College*
Judy Haber, *California State University—Fresno*
Julie Harless, *Lone Star College*
Eunice Kamunge, Ph.D., *Essex County College*
Caroline McNutt, *Schoolcraft College*
Elizabeth McPherson, *University of Tennessee—Knoxville*
Tracey Mills, *Ivy Tech Community College—Lawrence Campus*
Steven Obenaus, *Broward College*
Janis Pace, *Southwestern University*
Marcia Pierce, *Eastern Kentucky University*
Madhura Pradhan, *Ohio State University*
Todd Primm, *Sam Houston State University*
Beverly Roe, *Erie Community College*
Silvia Rossbach, *Western Michigan University*
Benjamin Rowley, *University of Central Arkansas*
Mark Schneegurt, *Wichita State University*
Teri Shors, *University of Wisconsin—Oshkosh*
Sherry Stewart, *Navarro College*
Steven Thurlow, *Jackson Community College*
Stephen Wagner, *Stephen F. Austin State University*
Delon Washo-Krups, *Arizona State University*