# CELL STRUCTURE AND FUNCTION

## *Mastering the Big Ideas*

Developed to incorporate the best of both core cell biology content and educational methodology, *Cell Structure and Function: Mastering the Big Ideas* is a concise, practical workbook for university and advanced-level high school biology students. Through a combination of targeted activities that enhance knowledge and strategies for successfully approaching challenging topics, the workbook increases student achievement and raises classroom performance overall.

Each chapter clearly identifies concepts students typically struggle with and provides study tips for mastering them. Other chapter features include study questions that focus on major concepts, activities that reinforce them, drawing pages that target visual learning modes, worksheets that spark conversation and enable students to support and learn from each other, and pencasts that can be downloaded for additional clear explanation of core cell biology concepts.

Incorporating extensive feedback from students and teaching assistants, *Cell Structure and Function* offers innovative, solid instruction in biochemistry and cell structure and function. Creative and concise in style and tone, yet comprehensive in scope, it is an ideal text for courses in introductory biology and cell biology.

**J. Reid Schwebach** earned his Ph.D. in microbiology and immunology at the Albert Einstein College of Medicine and his Ed.M. in secondary science education at Teachers College, Columbia University. Prior to entering academia, Dr. Schwebach worked for the Board on Science Education at the National Research Council. He is currently a faculty member at George Mason University, where he also serves as coordinator of High School Outreach and Recruitment for the College of Science and works with student researchers to investigate the evolution of microbes and improve the ways in which undergraduate students study science at the university.

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