

Preface to the Global Edition

For the past two decades, Dr. Gerald Karp has written *Karp's Cell Biology*. During this time, he has maintained a consistent focus on combining rigor with accessibility, so that even students without prior training in cell biology, molecular biology, or biochemistry have been able to learn cell biology not just as a collection of facts but as a process of discovery. The value of this approach is that the lessons learned extend far beyond the field of cell biology, and provide a way for students to learn how science works, how new experiments can overturn previous dogmas, and how new techniques can lead to groundbreaking discovery. This approach makes cell biology come alive.

After seven editions, Dr. Karp is ready to move on to other adventures. We are excited to take on the challenge of continuing Dr. Karp's unique approach to teaching cell biology, while continuing to put students first. Our goal for this revision was to build upon Karp's hallmark experimental approach by bringing in our own unique perspectives and harnessing today's technology.

One key feature of the past editions was to highlight how cell biology impacts our daily lives, in terms of medicine and other areas of society. The *Human Perspectives* sections highlight human interest stories to reinforce and review basic cell biology, and also provide examples of how fundamental discoveries have progressed into clinical practice. We have expanded this feature so that now every chapter has at least one Human Perspectives section at the end of the chapter. As part of this feature we report on the latest clinical trials for various cell biology-based therapies and drugs, a feature that we hope will inspire students who are pursuing careers in health sciences fields. In addition to the full Human Perspectives sections, each chapter is now introduced with a short "chapter opener" designed to generate enthusiasm about the science in each chapter through provocative issues or questions. We hope that this will give our readers the opportunity to think more about the links between science, society, and our place in the universe.

Working on the Global edition side by side with Dr. Karp has given us renewed admiration for his writing and his ability to keep track of the cutting edge in the full range of topics that comprise cell and molecular biology. In this and future editions of *Karp's Cell Biology* we are dedicated to carrying out Dr. Karp's original mission of providing an interesting, modern and readable text that is grounded in the experimental approach. We welcome your ideas and feedback as we continue our work on this text, so please feel free to get in touch.

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Book Companion Site
(www.wiley.com/college/karp)

For the Student

- Additional reading resources provide students with an extensive list of additional useful sources of information.

- Experimental Pathways for Chapters 6, 7, 9 and 13.

For the Instructor

- Answers to all Conceptual Questions.
- Answers to the end-of chapter Analytic Questions.
- Biology Visual Library; all images in jpg and PowerPoint formats.
- Clinical Case Studies and accompanying questions by Claire Walczak, Indiana University & Anthony Contento, SUNY Oswego.
- Instructor's Manual:
 - Clicker Questions by Leocadia Paliulis, Bucknell University and Omar Quintero, University of Richmond
 - Lecture PowerPoint Presentations by Edmund B. Rucker, University of Kentucky
 - Test bank and Answer Key by Robert Seiser, Roosevelt University

Instructor Resources are password protected.

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