

The cell : a molecular approach

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=9999920538704&lokasi=lokal>

Abstrak

Even the most experienced instructor can find teaching cell biology daunting, and most cell biology texts are bogged down in detail or background information. Lost in all the details are the more fascinating material and contemporary advances that represent this rapidly moving field. With so much to cover, creating a classroom around active learning may be difficult or nearly impossible. The Cell: A Molecular Approach endeavors to address those issues with succinct writing, incorporation of current research, a test bank that encourages critical thinking, and an active learning framework. With just enough detail for a one-semester, junior level course, the text presents fundamental concepts and current research, including chapters on genomics and transcriptional regulation and epigenetics, and new in-text boxed features on molecular medicine and key experiments. For instructors who want to flip their classrooms or just get students more engaged, The Cell: A Molecular Approach is the only cell biology text that is accompanied by an Active Learning Guide. This chapter-by-chapter playbook shows instructors how to create a dynamic learning environment with in-class exercises, clicker questions, and links to relevant media, animations, testing, and self-quizzing, all aligned with the new in-text learning objectives, wherever appropriate. This text provides the right level of detail, student engagement, and instructor support for the modern cell biology classroom