

Biología Celular Biomedica Alfonso Calvo Pdf

David Kirk

Biología celular biomédica + StudentConsult en español Alfonso Calvo González, 2015-07-24 La obra está dirigida por el Dr. Alfonso Calvo, Profesor titular de Biología Celular en la Facultad de Medicina en la Universidad de Navarra y Director del Laboratorio de Nuevas Dianas Terapéuticas del CIMA de la Universidad de Navarra y cuenta con la colaboración de 8 destacados profesores de dicha Universidad. Debido al enfoque multidisciplinar de la obra, entre los colaboradores se encuentra el Catedrático de Genética y de Bioquímica de dicho centro universitario. Cubre todo el programa de la asignatura de Biología Celular de carácter básico obligatorio en el grado de Medicina (media de 6 ECTS) y Farmacia, y otros grados de nueva creación, como Ciencias Médicas Básicas y Biotecnología. En la obra se hace especial énfasis en el funcionamiento de los orgánulos celulares y de cómo, cuando estos mecanismos están alterados dan lugar a diferentes patologías. Recoge aspectos muy novedosos y clínicamente relevantes tales como la terapia celular con células madre y terapias personalizadas para el tratamiento contra el cáncer. Asimismo, contiene información sobre técnicas modernas utilizadas y que están revolucionando el conocimiento funcional de las células y organismos, como los análisis genéticos a gran escala (microarrays), citometría de flujo, citogenética moderna, transgénesis. Todas estas técnicas se explican de modo sencillo y se hace referencia a su utilidad en el diagnóstico de enfermedades concretas. La obra cuenta con contenido complementario online en español accesible a través de la página www.studentconsult.es, en la que se incluye preguntas de autoevaluación y ejercicios prácticos. En la obra se hace especial énfasis en el funcionamiento de los orgánulos celulares y de cómo, cuando estos mecanismos están alterados dan lugar a diferentes patologías. Recoge aspectos muy novedosos y clínicamente relevantes tales como la terapia celular con células madre y terapias personalizadas para el tratamiento contra el cáncer. Asimismo, contiene información sobre técnicas modernas utilizadas y que están revolucionando el conocimiento funcional de las células y organismos, como los análisis genéticos a gran escala (microarrays), citometría de flujo, citogenética moderna, transgénesis. Todas estas técnicas se explican de modo sencillo y se hace referencia a su utilidad en el diagnóstico de enfermedades concretas. Cubre todo el programa de la asignatura de Biología Celular de carácter básico obligatorio en el grado de Medicina (media de 6 ECTS) y Farmacia, y otros grados de nueva creación, como Ciencias Médicas Básicas y Biotecnología. La obra cuenta con contenido complementario online en español accesible a través de la página www.studentconsult.es, en la que se incluye preguntas de autoevaluación y ejercicios prácticos.

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Biología celular y molecular L.C. Junqueira, José Carneiro, 1997

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Publicaciones del Instituto de Biología Celular Instituto de Biología Celular, 1966

Biología celular y molecular L.C. Junqueira, José Carneiro, 1997

Introducción a la biología celular ,2021

BIOLOGIA CELULAR Y MOLECULAR Gerald Karp, 2011-03-09 Libro adecuado para un curso introductorio de biología celular y molecular. Describe los conceptos fundamentales, como la relación entre la estructura molecular y la función; el carácter dinámico de los organelos celulares; el uso de energía química para las actividades celulares y el aseguramiento de la biosíntesis precisa de macromoléculas; la unidad y diversidad observadas al nivel macromolecular y celular, y los mecanismos que regulan las actividades celulares. Fundamentado en un abordaje experimental. Por ejemplo, los capítulos 8 y 9 contienen secciones introductorias sobre las técnicas más importantes para el análisis de las membranas celulares y el citoesqueleto. Incluye descripciones breves de algunos experimentos importantes para reforzar la base experimental del conocimiento. Además contiene los aspectos más detallados de las metodologías en un capítulo de técnicas. Presenta una sección de Vías experimentales al final de casi todos los capítulos. Para hacer que el texto fuera más relevante para los estudiantes, se muestran las secciones Perspectiva humana, las cuales ilustran que casi todos los trastornos humanos pueden tratarse mediante la interrupción de las actividades al nivel celular y molecular. Además, revelan la importancia de la investigación básica como la vía para comprender y, al final, tratar la mayor parte de las enfermedades. También incluye información relevante sobre biología humana y aplicaciones clínicas en todo el libro. Muestra muchas micrografías a fin de permitir a los estudiantes ver las representaciones reales de la mayor parte de los temas tratados. Entre las fotografías se incluyen muchas micrografías con fluorescencia que ilustran las propiedades dinámicas de las células o representan una forma de localizar una proteína o secuencia de ácido nucleico específicas. Las referencias que siempre aparecían al final de cada capítulo en las ediciones previas ahora aparecen en una sección al final del libro. Todas las ilustraciones de la quinta edición se sometieron a un escrutinio y muchas de las que se usaron de nuevo en la sexta edición. se modificaron en cierta medida. Muchos de los dibujos de la quinta edición se eliminaron para dejar espacio a elementos nuevos. La sexta edición contiene más de 60 micrografías e imágenes computarizadas nuevas, todas las cuales fueron proporcionadas por la fuente original. Incluye Online learning center.

Biología Celular Y Molecular Eduardo D. P. De Robertis, E. M. F. De Robertis, José Hib, Roberto Ponzio, 2000-06 Las múltiples ediciones y traducciones a diferentes idiomas son una clara demostración de que Biología Celular y Molecular constituye un libro único e insustituible, una verdadera suma del conocimiento de la organización estructural y funcional de

la célula. Esta edición ha sido revisada y reescrita a los fines de ofrecer el estado actual del conocimiento. La totalidad del texto ha sido puesto al día y gran parte de las ilustraciones son nuevas o fueron recreadas. Los capítulos que experimentaron cambios más profundos son los relativos a la membrana celular, la señalización intercelular, las mitocondrias y los peroxisomas, la estructura de los genes y su transcripción, la traducción del ARN mensajero, la replicación del ADN y la diferenciación celular. Entre sus novedades más salientes están las secciones dedicadas a la permeabilidad de la membrana, la regulación de la actividad genética, la reparación del ADN, el control del ciclo celular, los aspectos moleculares de la fecundación y la muerte celular. El extraordinario desarrollo que ha adquirido el conocimiento de las funciones moleculares y las insospechadas aplicaciones de la bioingeniería hacen que su contenido sea insustituible para los cursos generales de biología y para las ciencias aplicadas, como la medicina, la agronomía y la biotecnología.

Biología celular y molecular Gerald Karp, 1998

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