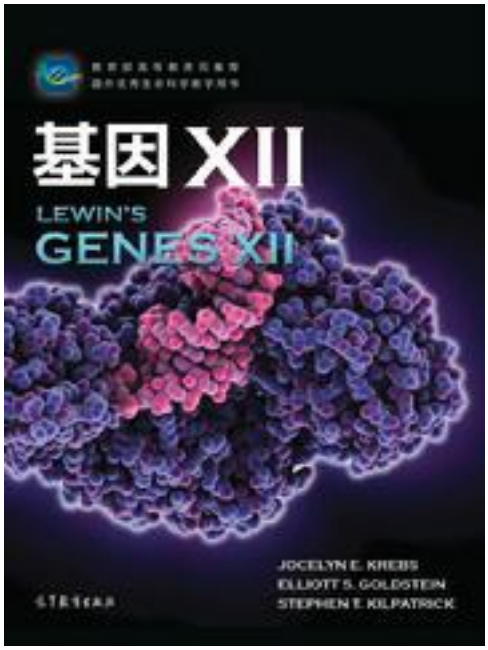
基因XII



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著者:Jocelyn E.Krebs

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《基因XII》是分子生物学领域一部具有鲜明特色的教材。数十年来，它为一直处于快速发展之中的分子生物学提供了现代的解读。新版的《基因12》继续展现了基因结构、测序、组构和表达等方面的新资讯和前沿成果。书中各部分内容皆由该领域的科学家负责修改和更新，读者可以从中了解分子生物学各方面的新研究和相关信息。《基因XII》对分子生物学这门激动人心、充满活力的学科进行了全方位的介绍，无论在知识广度、内容质量还是插图方面，都是其他教材无法比拟的。Lewin的《基因XII》是学习分子生物学和遗传学的必选教材。

作者介绍:

Jocelyn E. Krebs received a B.A. in Biology from Bard College, Annandale-on-Hudson, New York, and a Ph.D. in Molecular and Cell Biology from the University of California, Berkeley. For her Ph.D. thesis, she studied the roles of DNA topology and insulator elements in transcriptional regulation. She performed her postdoctoral training as an American Cancer Society Fellow at the University of Massachusetts Medical School in the laboratory of Dr. Craig Peterson, where she focused on the roles of histone acetylation and chromatin remodeling in transcription. In 2000, Dr. Krebs joined the faculty in the Department of Biological Sciences at the University of Alaska, Anchorage, where she is now a Full Professor. Her most recent research focus has been on the role of the Williams syndrome transcription factor (one of the genes lost in the human neurodevelopmental syndrome Williams syndrome) in early embryonic development in the frog Xenopus. She teaches courses in introductory biology, genetics, and molecular biology for undergraduates, graduate students, and first-year medical students. She also teaches courses on the molecular biology of cancer and epigenetics. Although working in Anchorage, she lives in Portland, Oregon, with her wife and two sons, a dog, and three cats. Her nonwork passions include hiking, gardening, and fused glass work.

Elliott S. Goldstein earned his B.S. in Biology from the University of Hartford in Connecticut and his Ph.D. in Genetics from the University of Minnesota, Department of Genetics and Cell Biology. Following this, he was awarded an NIH Postdoctoral Fellowship to work with Dr. Sheldon Penman at the Massachusetts Institute of Technology. After leaving Boston, he joined the faculty at Arizona State University in Tempe, Arizona, where he is an Associate Professor, Emeritus, in the Cellular, Molecular, and Biosciences program in the School of Life Sciences and in the Honors Disciplinary Program. His research interests are in the area of molecular and developmental genetics of early embryogenesis in Drosophila melanogaster. In recent years, he has focused on the Drosophila counterparts of the human protooncogenes jun and fos. His primary teaching responsibilities are in the undergraduate general genetics course as well as the graduate-level molecular genetics course. Dr. Goldstein lives in Tempe with his wife, his high school sweetheart. They have three children and two grandchildren. He is a bookworm who loves reading as well as underwater photography. His pictures can be found at http://www.public.asu.edu/~elliotg/.

Stephen T. Kilpatrick received a B.S. in Biology from Eastern College (now Eastern University) in St. Davids, Pennsylvania, and a Ph.D. from the Program in Ecology and Evolutionary Biology at Brown University. His thesis research was an investigation of the population genetics of interactions between the mitochondrial and nuclear genomes of Drosophila melanogaster. Since 1995, Dr. Kilpatrick has taught at the University of Pittsburgh at Johnstown in Johnstown, Pennsylvania, where he is currently chair of the Department of Biology. His regular teaching duties include undergraduate courses in introductory biology for biology majors and advanced undergraduate courses in genetics (for both majors and nursing students), evolution, and molecular genetics. He has also supervised a number of undergraduate research projects in evolutionary genetics. Dr. Kilpatrick’ s major professional focus has been in biology education. He has participated in the development and authoring of ancillary materials for several introductory biology, genetics, and molecular genetics texts and online educational review sites as well as writing articles for educational reference publications. For his classes at Pitt-Johnstown, Dr. Kilpatrick has developed many active learning exercises in introductory biology, genetics, and evolution. Dr. Kilpatrick resides in Johnstown with his wife and four cats. Outside of scientific interests, he enjoys music, literature, and theater.

目录: PART Ⅰ Genes and Chromosomes

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