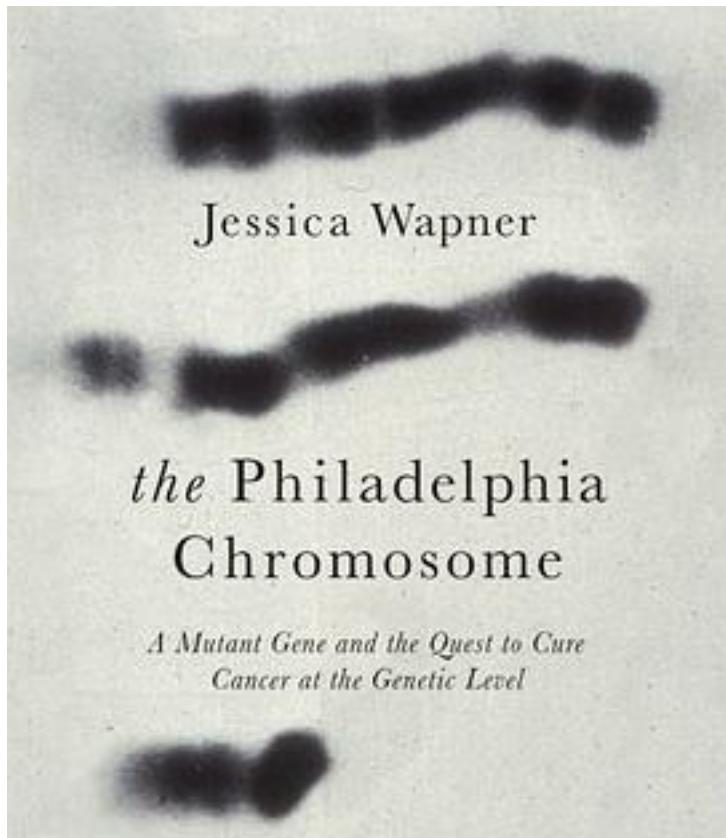


The Philadelphia Chromosome



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Philadelphia, 1959: A scientist scrutinizing a single human cell under a microscope detects a missing piece of DNA. That scientist, David Hungerford, had no way of knowing that he had stumbled upon the starting point of modern cancer research—the Philadelphia chromosome. It would take doctors and researchers around the world more than three decades to unravel the implications of this landmark discovery. In 1990, the Philadelphia chromosome was recognized as the sole cause of a deadly

blood cancer, chronic myeloid leukemia, or CML. Cancer research would never be the same.

Science journalist Jessica Wapner reconstructs more than forty years of crucial breakthroughs, clearly explains the science behind them, and pays tribute—with extensive original reporting, including more than thirty-five interviews—to the dozens of researchers, doctors, and patients with a direct role in this inspirational story. Their curiosity and determination would ultimately lead to a lifesaving treatment unlike anything before it.

The Philadelphia Chromosome chronicles the remarkable change of fortune for the more than 70,000 people worldwide who are diagnosed with CML each year. It is a celebration of a rare triumph in the battle against cancer and a blueprint for future research, as doctors and scientists race to uncover and treat the genetic roots of a wide range of cancers.

作者介绍:

Jessica Wapner is a freelance writer focused mainly on healthcare and medicine. Her work is published in The New York Times, Scientific American, Slate, Science, TheAtlantic.com, Nature Medicine, Ode, Psychology Today, and elsewhere. Her writing on cancer research and treatment also appears in the specialty magazines Oncology Business Review, Cure, and CR. Her blog, Work in Progress, is part of the PLoS Blog Network and focuses on the ethics and economics of drug development.

Previously, she was the founding managing editor of two review journals, Clinical Advances in Hematology & Oncology and Gastroenterology & Hepatology, and also served as editor for Oncology Spectrum. She lives with her family in Beacon, NY.

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标签

cancer

技能

medicine

health_care

评论

讲慢性髓细胞性白血病 (Chronic Myelogenous Leukemia, CML) --一种由于染色体易位 (9号染色体长臂移至22号染色体短臂上) 而导致破坏血液供应的癌症，从发现发病原理到研制出治疗药物的历史。CML是目前为止研究最为清楚，治疗最为有效一种癌症。治疗CML的药物Gleevec是靶向治疗最早和最成功的案例。喜欢《众病之王》的一定也会喜欢本书。

伊马替尼的发现史本身就是个令人拍案叫绝的传奇，此外Jessica生动地刻画了患者被诊断CML后的忐忑和被治愈后的不可思议的重生感，穿插着现代医学生、医生面临的科研、临床平衡的问题，很接地气，有空再读一遍

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