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**bioRxiv**

THE PREPRINT SERVER FOR BIOLOGY

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F1

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F3



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The double helix, the genetic code, jumping genes, the PCR technique, the human genome project, RNA interference...these and hundreds of other important advances in biology were announced, debated, and distilled at the Cold Spring Harbor Symposia. These meetings, held each year on the tranquil grounds of one of the world's leading research institutes, have been notable events in biomedical research since 1933. Centered on a different and timely field of research each year, the participants in these meetings are hand-picked luminaries and rising stars of their fields. The contributions recorded in each Symposium volume, along with the accompanying photographs, make a unique addition to the scholarly history of science in the 20th century and to the emergence of molecular and cellular biology as the current drivers of all aspects of biomedical research.

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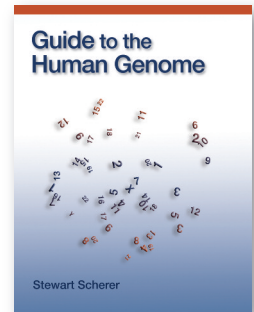
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F4

## Guide to the Human Genome

By Stewart Scherer

Presenting the genes of the human genome in their biological context, *Guide to the Human Genome* is an extensive online resource that provides easy access to information about human genes and their roles in specific processes. The website text is also available in a print version. With numerous illustrations and tables, each of the nearly 300 sections of the *Guide* describes genes involved in a specific pathway, process, or structure—from the molecular and cellular levels to developmental and physiological processes. In the online version, these sections contain links to more information about proteins encoded by over 17,000 known or predicted human genes. For each protein, basic characteristics about its composition and length, its human relatives and relatedness to proteins in other species, and direct links to resources at NCBI are included. Additional links to NCBI resources are provided for human noncoding RNAs and repeated DNA elements and for proteins of interest from other species. The entire text of the *Guide* is searchable, and tools are available for identifying human protein sequences using those from other species. The *Guide* will be useful to researchers looking to connect sequence data with functional information, and can be used in parallel with traditional texts in undergraduate and graduate courses to provide a genomics dimension and experience of identifying genes underpinning processes of interest.



### Online access to *Guide to the Human Genome*:

Purchase individual (\$100) or institutional (\$400) access to [www.humangenomeguide.org](http://www.humangenomeguide.org) through the website.

While the *Guide* is designed as an online resource, a print only version is also available.

2011, 1,008 pp., illus. (212 b/w), appendix, index

Paperback print edition \$79 £50

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5. Transcription and RNA Processing	10. Stress Response and Homeostasis	17. Host Defense
	11. Signals	<b>Appendices</b>
	12. Cell Structure and Organelles	<b>Gene index</b>

"The *Guide* is not a textbook, a database, a review article, or a reference book. By combining aspects of all of them, I hope it is useful to students, faculty, and researchers."  
— Stewart Scherer





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