

EUKARYOTIC TRANSCRIPTION FACTORS

Fifth Edition

David S. Latchman

Although the DNA in all cell types is the same, gene regulation ensures that the different proteins characteristic of each cell type/organ are produced in the correct place and at the correct time. This process is regulated by control proteins known as transcription factors, and familiarity with the mechanisms by which they act is now essential for scientists and students in a wide range of clinical and basic science disciplines. However, learning about the vast array of transcription factors and the variety of mechanisms by which they act can prove daunting to researchers and students alike.

The fifth edition of *Eukaryotic Transcription Factors* provides the reader with a clear and concise understanding of transcription factors and their vital role in the regulation of transcription in different cell types, during development, in response to specific stimuli and in disease.

New to this edition:

- Over 60 new images
- New section on small inhibitory RNAs and their role in the regulation of transcription
- New section describing transcription factors and their therapeutic applications
- Special emphasis on the role of transcription factors in regulating chromatin structure and transcriptional elongation

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An imprint of Elsevier
books.elsevier.com

ISBN 978-0-12-373983-4

