



# **The Hemopoietic Colony-stimulating Factors: From Biology to Clinical Applications**

*Donald Metcalf, Nicos Anthony Nicola*

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The colony-stimulating factors (CSFs) are the major regulators in the body of the production and activity of two types of white blood cells - granulocytes and macrophages. This book provides a detailed account of the discovery of the CSFs, their structure, molecular biology and cellular receptors, the biology of the CSFs in vivo and in vitro and their present and future clinical applications. Written by two of the pioneers in the discovery of CSFs, it is a clear and well-illustrated survey of the history, knowledge and future directions of this exciting field of investigation, and serves also as a guide to the more general areas of growth factor and cytokine research. It will prove an invaluable review for cell biologists interested in how growth factors act on the body, as well as for clinicians applying the fruits of modern biotechnology to improved patient care.



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