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Volume 287

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Volume 287

Chemokines

EDITED BY

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Volume 287

CHEMOKINES



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METHODS IN ENZYMOLOGY

Preface

Chemokines play an important role in inducing the directed migration of blood leukocytes in the body. When this process goes awry and immune cells turn on and attack their own tissues, autoimmune diseases such as rheumatoid arthritis and multiple sclerosis result. In light of these proinflammatory properties, chemokines and their cellular receptors have become therapeutic targets for drug intervention by major pharmaceutical companies. In addition, chemokine receptors have been in the scientific spotlight recently because of the finding that they are coreceptors, along with CD4, for pathogenic organisms such as HIV-1, which use them to gain entry into, and infect, mammalian cells. These and other related findings have placed chemokines in the limelight and exposed them to intense scrutiny by an increasingly broad population of the scientific community.

Given this increased interest in chemokines there was a real need for a practical bench guide that gives detailed protocols and methods that can be used by researchers and advanced students as a step-by-step guide for studying these molecules. With this in mind I assembled a series of comprehensive articles from acknowledged experts in the chemokine field. They are presented in Volumes 287 and 288 of *Methods in Enzymology*. Volume 287 deals with methods in chemokine research; Volume 288 covers chemokine receptor protocols. These volumes provide a detailed compendium of laboratory methods that will appeal both to the novice and to the more experienced researcher wanting to enter this field.

I would like to express my sincere thanks to all the contributing authors for their outstanding efforts and patience during the production of this work. Also, I would like to thank Shirley Light of Academic Press for providing guidance, encouragement, and advice in the preparation of these volumes.

RICHARD HORUK

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