

CONTENTS

Preface		vii
Chapter 1	Role of Mast Cells in Health and Disease <i>Zoulfia Allakhverdi</i>	1
Chapter 2	Spatial Patterns in Mast Cell Activation <i>Kathrin Spendier and James L. Thomas</i>	41
Chapter 3	Mast Cell within the Microenvironment: Cellular and Matrix Cross-Talk in Physiopathological Conditions <i>Barbara Frossi, Elena Betto and Giorgia Gri</i>	63
Chapter 4	Mast Cell in Immune Function and Leukocyte Recruitment <i>Albert F. De Felice</i>	97
Chapter 5	The Function of Mast Cells in Innate Immunity: Interaction of Mast Cells with Gram-Negative Bacteria <i>Sibylle A. Brenner and Axel Lorentz</i>	135
Chapter 6	Presentation, Diagnosis, and Management of Mast Cell Activation Syndrome <i>Lawrence B. Afrin</i>	155
Chapter 7	Multiple Roles of Mast Cells in Heterotopic Ossification <i>Lixin Kan</i>	233
Chapter 8	The Role of Mast Cells in Neoplasm Angiogenesis and Bacterial and Viral Infections <i>Moges Woldemeskel</i>	245

Chapter 9	Mast Cells and Their Evolving Role in the Human Testis	255
	<i>Artur Mayerhofer, Christoph Schell, Katrin Spinnler, Marion Adam and Harald Welter</i>	
Chapter 10	Mast Cells in Inflammatory Bowel Disease: Potential Therapeutic Targets for Intestinal Inflammation and Fibrosis	265
	<i>Kenji Suzuki, Masaki Nagata, Tomoyuki Kawase, Yutaka Honda, Yusuke Kawauchi, Junji Yokoyama, Somasundaram Arumugam, Hiroyuki Yoneyama, Kenichi Watanabe and Hitoshi Asakura</i>	
Index		281

The Publisher has taken reasonable care in the preparation of this book, but makes no expressed or implied warranty of any kind and assumes no responsibility for any errors or omissions. The publisher is not liable for any damages resulting from the use of the information contained in this book. The publisher is not liable for any damages resulting from the use of the information contained in this book. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Independent verification should be sought for any data that may be cited in this book. The publisher is not liable for any damages resulting from the use of the information contained in this book. The publisher is not liable for any damages resulting from the use of the information contained in this book.

This publication is designed to provide accurate and authoritative information in regard to the subject matter covered. It is sold with the understanding that the publisher is not engaged in rendering professional service. If professional advice or other expert assistance is required, the services of a competent professional person should be sought. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Additional color plates may be available for purchase separately. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Library of Congress Cataloging in Publication Data. The publisher is not liable for any damages resulting from the use of the information contained in this book.

ISBN 0-7656-1467-1. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Library of Congress Cataloging in Publication Data. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Library of Congress Cataloging in Publication Data. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Library of Congress Cataloging in Publication Data. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Library of Congress Cataloging in Publication Data. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Library of Congress Cataloging in Publication Data. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Library of Congress Cataloging in Publication Data. The publisher is not liable for any damages resulting from the use of the information contained in this book.

Library of Congress Cataloging in Publication Data. The publisher is not liable for any damages resulting from the use of the information contained in this book.