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Soggetti	Public utilities Industrial organization (Economic theory) Microeconomics Services publics Économie industrielle Microéconomie Economics Periodicals.
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Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Imprint varies. Title from title screen (viewed June 6, 2001). Refereed/Peer-reviewed

2. Record Nr.	UNINA9910953900303321
Titolo	Granulocytes : production, types, and roles in disease // Hisao Abukara and Michi Jumonji, editors
Pubbl/distr/stampa	New York, : Nova Science Publisher's, Inc., c2012
ISBN	1-61942-812-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (156 p.)
Collana	Cell biology research progress Microbiology research advances
Altri autori (Persone)	AbukaraHisao JumonjiMichi
Disciplina	616.07/99
Soggetti	Granulocytes Granulocytes - Diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""GRANULOCYTES""; ""GRANULOCYTES""; ""CONTENTS ""; ""PREFACE ""; ""REGULATION OF GRANULOCYTE DIFFERENTIATION BY MICRO-RNA AND TRANSCRIPTION FACTORS a€? LESSONS LEARNED FOR UNDERSTANDING HEMATOPOIETIC DISEASES ""; ""ABSTRACT ""; ""INTRODUCTION ""; ""BIOSYNTHESIS AND REGULATION OF MICRO-RNA IN MAMMALIAN CELLS""; ""GENERAL MECHANISMS OF GRANULOPOIESIS AND REGULATION BY TRANSCRIPTION FACTORS ""; ""MIRNA a€? ONE OF THE GATE KEEPER IN GRANULOPOIESIS ""; ""MIRNA a€? A CONTRIBUTOR TO MYELOID MALIGNANCIES AND A POTENT TOOL FOR PROGNOSIS AND CLASSIFICATION ""; ""CONCLUDING REMARKS "" ""BIBLIOGRAPHY "" ""THE ESSENTIAL TRANSCRIPTION FACTOR FOR GRANULOCYTIC DIFFERENTIATION, CCAAT/ENHANCER BINDING PROTEIN ALPHA (C/EBP?), AND ITS MUTATIONS OR INHIBITION ASSOCIATED WITH ACUTE MYELOID LEUKEMIAS ""; ""ABSTRACT ""; ""INTRODUCTION ""; ""STRUCTURE AND FUNCTION OF C/EBP? ""; ""CEBPA Gene and C/EBP± mRNA ""; ""Transcription Factor C/EBP± ""; ""The Post-Translational Modifications of C/EBP± ""; ""Phosphorylation of C/EBP± ""; ""Sumoylation of C/EBP. ""; ""REGULATION OF CELL CYCLE PROGRESSION BY C/EBP? ""; ""Growth-Inhibiting Activity of C/EBP± "" ""FUNCTIONAL ROLE OF C/EBP? IN LINEAGE SPECIFICATION "" ""C/EBP±

Function in Granulopoiesis"; "Cooperation of PU.1 and C/EBP $\pm$  Transcription Factors in Lineage Decision"; "Regulation of MicroRNAs Involved in Granulocytic Differentiation by C/EBP $\pm$  and Effect of MicroRNA on C/EBP $\pm$ "; "REGULATION OF C/EBP $\pm$  EXPRESSION"; "Decreased Expression of CEBPA by Transcriptional Regulation"; "Decreased Expression of CEBPA by Methylation of CEBPA Gene Promoter"; "Decreased or Increased expression of C/EBP $\pm$  by Posttranslational Regulation"; "ROLE OF C/EBP $\pm$  IN MYELOID DIFFERENTIATION AND LEUKEMIA"; "CONCLUSION AND PERSPECTIVES"; "ACKNOWLEDGMENTS"; "REFERENCES"; "CHEMOTACTIC ASSAY OF HUMAN NEUTROPHILS AND EOSINOPHILS"; "INTRODUCTION"; "1. CHEMOTAXIS IS CRITICAL TO THE DEFENSIVE FUNCTION OF NEUTROPHILS AND EOSINOPHILS"; "2. MORPHOLOGICAL CHANGE OF HL-60 CELLS DURING DIFFERENTIATION"; "3. PHENOTYPIC CHANGE OF HL-60 CELLS DURING DIFFERENTIATION"; "4. FUNCTIONAL MATURATION OF HL-60 CELLS DURING DIFFERENTIATION"; "5. APOPTOSIS OF HL-60 CELLS DURING DIFFERENTIATION"; "6. CHEMOTACTIC RESPONSE OF HL-60 CELLS BY TRANSWELL ASSAY"; "7. CHEMOTACTIC RESPONSE OF HL-60 CELLS OBSERVED BY VIDEO MICROSCOPY"; "8. EOSINOPHILS ARE MULTIFUNCTIONAL LEUKOCYTES"; "9. EOL-1 CELL IS A USEFUL MODEL FOR THE FUNCTIONAL STUDY OF EOSINOPHILS"; "10. EOSINOPHILIC PRECURSOR EOL-1 CELLS EXPRESSED LYMPHOID CHEMOKINE RECEPTORS CCR7 AND CCR9 FOLLOWING CYTOKINE-INDUCED DIFFERENTIATION"; "11. CYTOKINE-STIMULATED DEOL-1 CELLS SHOWED DIRECTIONAL MIGRATION TO THE LYMPHOID CHEMOKINES"; "12. CYTOKINE-STIMULATED DEOL-1 CELLS SHOWED SURFACE EXPRESSION OF APC-RELATED COSTIMULATORY MOLECULES, AS WELL AS IDO"

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## Sommario/riassunto

This book examines the latest research developments in the study of the production, types and roles in disease of granulocytes. Topics include the regulation of granulocyte differentiation by microRNA and transcription factors; chemotactic assay of human neutrophils and eosinophils; basophilic granulocytes; and the role of granulocytes on the onset of tissue-destructive diseases. (Imprint: Nova Biomedical)

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