

**EXPERIMENTAL  
HEMATOLOGY  
TODAY**

*edited by*  
SIEGMUND J. BAUM  
G. DAVID LEDNEY

# **EXPERIMENTAL HEMATOLOGY TODAY**

*With 147 Illustrations*



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*Experimental Hematology Today* is divided into six sections which are related to the presentations given at the Egon Lorenz Memorial Symposia presented as part of the Fifth Annual Meeting of the International Society for Experimental Hematology held in Washington, D.C. in 1976. The first division deals with papers from Symposium I chaired by Dr. Dirk W. van Bekkum, Rijswijk, Netherlands. Its topic is "Characterization of the Multipotential Stem Cell (CFU-s)," and represents a report of the most recent attempts of separation and description of the multipotential hematopoietic stem cell. The papers presented in Symposium II entitled "Humoral and Cellular Control Agents" and chaired by Dr. Eugene P. Cronkite, Brookhaven, New York, discuss the latest findings of the influence of specific factors on hematopoietic cell production. The third division is comprised of presentations from Symposium III entitled "Physiology of Committed Stem Cells (CFU-e and CFU-m)." It was chaired by Dr. James E. Till, Toronto, Canada. The papers of this symposium discuss the function of the erythrocytic and megakaryocytic committed stem cells. The papers from Symposium IV entitled "Physiology of Committed Stem Cells (CFU-c)," chaired by Dr. Siegmund J. Baum, Bethesda, Maryland, are presented in the fourth division. This division deals with the latest research findings of the functional interrelationship of the leukocytic committed stem cells. The topic of Symposium V was "Bone Marrow Transplantation Immunology" chaired by Dr. John J. Trentin, Houston, Texas. The papers of this symposium comprise the fifth division. They relate the most recent research results of the immunologic problems in the field of bone marrow transplantation. The sixth division presents the papers of Symposium VI entitled "Experimental Models of Clinical Conditions in Hematology" which was chaired by Dr. Georges Mathé, Villejuif, France. It deals primarily with the utilization of proper animal models for the understanding and amelioration of human diseases of hematopoietic origin.

In general, the book is comprised of research papers describing the most recent discoveries in hematology from cellular to animal models and possible applications to clinical situations. Therefore, we believe that the material discussed in nearly all the papers presented will be of great interest to investigators, teachers, and certainly, as well, to clinicians.

SIEGMUND J. BAUM  
G. DAVID LEDNEY

## Preface

The members of the organizing committee of the Fifth Annual Meeting of the International Society for Experimental Hematology wish to acknowledge the generous assistance provided by the following agencies of the United States government:

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## Acknowledgment

# Contents

List of Contributors	xvi
<b>PART I. Characterization of the Multipotential Stem Cell (CFU-s)</b>	
<b>D. W. van Bekkum, M.D.</b>	<b>1</b>
<b>1. The Appearance of the Multipotential Hemopoietic Stem Cell</b>	<b>3</b>
<i>D. W. van Bekkum</i>	
Introduction	3
The spleen colony assay of rat HSC	5
Concentration and identification of rat HSC	7
Summary	9
Acknowledgments	9
References	9
<b>2. An Immunologic Approach to Cell Cycle Analysis of the Stem Cell</b>	<b>11</b>
<i>Francis C. Monette, Peter Q. Eichacker, William Byrt, Robert I. Garver, Michael J. Gilio, and John B. DeMello</i>	
Introduction	11
Materials and methods	12
Results	13
Discussion	16
Summary	17
Acknowledgments	18
References	18
<b>3. Physical Separation of the Cycling and Noncycling Compartments of Murine Hemopoietic Stem Cells</b>	<b>21</b>
<i>Jan Visser, Ger van den Engh, Neil Williams, and Dries Mulder</i>	
Introduction	21
Theory	22
Materials and methods	22
Results and discussion	23
Summary	26
Acknowledgments	26
References	26

<b>4.</b>	<b>Characterization of Bone Marrow and Lymph Node Repopulating Cells by Transplanting Mononuclear Cells into Radiated Dogs</b>	
	<i>W. M. Floss, M. Körbling, W. Nothdurft, W. Calvo, and T. M. Fliedner</i>	29
	Introduction	29
	Experimental approach	29
	Results	31
	Discussion	35
	Summary	37
	Acknowledgments	37
	References	38
<b>PART II.</b>	<b>Humoral and Cellular Control Agents</b>	
	<b>E. P. Cronkite, M.D.</b>	39
<b>5.</b>	<b>Concepts and Observations on the Regulation of Granulocyte Production</b>	
	<i>E. P. Cronkite, H. Burlington, A. D. Chanana, D. D. Joel, U. Reincke, and J. Stevens</i>	41
	Introduction	41
	Materials and methods	43
	Results	43
	Summary	47
	Acknowledgment	48
	References	48
<b>6.</b>	<b>The Regulatory Role of the Macrophage in Normal and Neoplastic Hemopoiesis</b>	
	<i>J. Kurland and M. A. S. Moore</i>	51
	Introduction	51
	Materials and methods	52
	Results	53
	Discussion	58
	Summary	61
	Acknowledgments	61
	References	61
<b>7.</b>	<b>Humoral Regulation of Eosinophil Granulocytopoiesis</b>	
	<i>M. P. McGarry, A. M. Miller, and D. G. Colley</i>	63
	Eosinophil granulocytopoiesis: A model system	63
	Production of humoral factor(s) in vitro	65
	Summary	68
	Acknowledgments	69
	References	69

<b>8.</b>	<b>Studies of the Erythroid Inductive Microenvironment in Vitro</b>	
	<i>Gary van Zant and Eugene Goldwasser, with the technical assistance of Nancy Pech</i>	71
	Introduction	71
	Materials and methods	71
	Results	73
	Discussion	77
	Summary	79
	Acknowledgments	79
	References	80
<b>9.</b>	<b>In Vivo Colony Forming Unit Population Sizes in Hypertransfused Sl/Sl<sup>a</sup> Mice</b>	
	<i>Kenneth F. McCarthy</i>	81
	Introduction	81
	Methods	81
	Results	82
	Discussion	83
	Summary	84
	References	84
<b>PART III.</b>	<b>Physiology of Committed Stem Cells (CFU-e and CFU-m)</b>	
	<b>J. E. Till, Ph.D.</b>	87
<b>10.</b>	<b>Recognition of Hemopoietic Progenitors</b>	
	<i>J. E. Till</i>	89
	Summary	90
	References	91
<b>11.</b>	<b>Relationships between Early Hemopoietic Progenitor Cells Determined by Correlation Analysis of Their Numbers in Individual Spleen Colonies</b>	
	<i>C. J. Gregory and R. M. Henkelman</i>	93
	Introduction	93
	Experimental	94
	Results	94
	Discussion	99
	Summary	100
	Acknowledgments	100
	References	100



<b>12.</b>	<b>Some Characteristics of in Vitro Erythroid Colony and Burst-Forming Units</b> <i>G. Wagemaker, V. E. Ober-Kiefteburg, A. Brouwer, and M. F. Peters-Slough</i>	103
	Introduction	103
	Methods and materials	103
	Results	104
	Discussion	108
	Summary	109
	Acknowledgments	109
	References	109
<b>13.</b>	<b>Colony-Forming Unit, Megakaryocyte (CFU-m): Its Use in Elucidating the Kinetics and Humoral Control of the Megakaryocytic Committed Progenitor Cell Compartment</b> <i>Alexander Nakeff</i>	111
	Introduction	111
	Materials and methods	111
	Results	113
	Discussion	120
	Summary	122
	Acknowledgment	122
	References	122
<b>PART IV.</b>	<b>Physiology of Committed Stem Cells (CFU-c)</b> <b>Siegmund J. Baum, Ph.D.</b>	125
<b>14.</b>	<b>Negative and Positive Feedback Control of the Committed Granulocytic Stem Cell Compartment</b> <i>Siegmund J. Baum</i>	127
	Introduction	127
	Physiologic control of the CFU-c	128
	Positive feedback system for CFU-c regulation	128
	Negative feedback system for CFU-c control	129
	Possible interaction of the two feedback systems in the regulation of the CFU-c compartment	131
	Summary	132
	References	133
<b>15.</b>	<b>Colony-Stimulating Factor and the Differentiation of Granulocytes and Macrophages</b> <i>Antony W. Burgess and Donald Metcalf</i>	135
	Introduction	135
	Materials and methods	135
	Results	138
	Discussion	143

	Summary	144
	Acknowledgments	145
	References	145
<b>16.</b>	<b>Characteristics of the in Vitro Monocyte-Macrophage Colony-Forming Cells Detected within Mouse Thymus and Lymph Nodes</b>	
	<i>T. J. MacVittie and T. L. Weatherly</i>	147
	Introduction	147
	Materials and methods	148
	Results	149
	Discussion	152
	Summary	155
	Acknowledgments	155
	References	155
<b>17.</b>	<b>Physical Characterization of a Subpopulation of Granulocyte/Monocyte Progenitor Cells (CFU-c)</b>	
	<i>Ger van den Engh, Dries Mulder, Neil Williams, and Simon Bol</i>	157
	Introduction	157
	Materials and methods	158
	Results	159
	Discussion	160
	Summary	161
	Acknowledgments	162
	References	162
<b>18.</b>	<b>Cell-Factor Interaction in Populations of Normal and Leukemic Blood Cells</b>	
	<i>Alan M. Wu, Francis W. Ruscetti, and Robert C. Gallo</i>	165
	Introduction	165
	Results	166
	Discussion	173
	Summary	173
	Acknowledgments	174
	References	174
<b>PART V.</b>	<b>Bone Marrow Transplantation Immunology</b>	
	<b>John J. Trentin, Ph.D.</b>	177
<b>19.</b>	<b>Bone Marrow Transplantation Immunology</b>	
	<i>John J. Trentin, Rolf Kiessling, Hans Wigzell, Michael T. Gallagher, Surjit K. Datta, and Sulabha S. Kulkarni</i>	179
	Summary	182
	Acknowledgments	182
	References	182

<b>20.</b>	<b>Modulation of Graft-versus-Host (GvH) Disease in the Rat; Effect of Hydroxyurea on the Mixed Lymphocyte Reaction and Graft-versus-Host Reactivity</b>	
	<i>Robert Peter Gale, Caprice Rutkosky, and David W. Golde</i>	185
	Introduction	185
	Materials and methods	185
	Results	186
	Discussion	187
	Summary	189
	Acknowledgments	189
	References	189
<b>21.</b>	<b>Mechanism of Donor to Host Tolerance in Rat Bone Marrow Chimeras</b>	
	<i>P. Tutschka, R. Schwerdtfeger, R. Slavin, and G. Santos</i>	191
	Introduction	191
	Materials and methods	191
	Results	192
	Discussion	194
	Summary	195
	Acknowledgment	196
	References	196
<b>22.</b>	<b>Effects of a Cell-Free Helper Factor(s) on the Kinetics of T-Cell Responses to Histocompatibility Antigens</b>	
	<i>Janet M. D. Plate</i>	199
	Materials and methods	200
	Results	201
	Discussion	202
	Summary	203
	Acknowledgment	203
	References	203
PART VI.	<b>Experimental Models of Clinical Conditions in Hematology</b>	205
	<b>Georges Mathé, M.D.</b>	
<b>23.</b>	<b>The E(AkR)-Leukemia as Murine Model of Human Acute Lymphoid Leukemia for Immunotherapy Trials</b>	
	<i>L. Olsson, I. Florentin, N. Kiger, and G. Mathé</i>	207
	Introduction	207
	Summary	210
	References	210

<b>24.</b>	<b>Experimental Chemotherapy: A Rat Model for Human Acute Myeloid Leukemia</b>	
	<i>Loes P. Colly and Ton Hagenbeek</i>	211
	Introduction	211
	Materials and methods	211
	Results	212
	Discussion	216
	Summary	217
	Acknowledgments	218
	References	218
<b>25.</b>	<b>Serum Colony Stimulating Factor: A Marker for Graft-versus-Host Disease in Humans</b>	
	<i>J. W. Singer, M. C. James, and E. D. Thomas</i>	221
	Introduction	221
	Methods	222
	Results	222
	Discussion	226
	Summary	227
	Acknowledgments	228
	Appendix: Case histories	228
	References	230
<b>26.</b>	<b>Changes in Human Bone Marrow Colony-Forming Cells following Chemotherapy Using an Agar Diffusion-Chamber Technique</b>	
	<i>M. Y. Gordon</i>	233
	Introduction	233
	Methods	234
	Results	234
	Discussion	235
	Summary	236
	Acknowledgments	236
	References	236
<b>27.</b>	<b>Graft-versus-Leukemia, Donor Selection for Adoptive Immunotherapy in Mice</b>	
	<i>William P. LeFeber, Robert L. Truitt, William C. Rose, and Mortimer M. Bortin</i>	239
	Introduction	239
	Materials and methods	240
	Results	241
	Discussion	243
	Summary	245
	Acknowledgments	245
	References	245
	Index	247

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