

2689 - 542 2

Wolfgang Jelkmann
Andreas J. Gross (Eds.)

Erythropoietin

Foreword by P. Mary Cotes

With 55 Figures and 14 Tables

Springer-Verlag Berlin Heidelberg New York
London Paris Tokyo Hong Kong

List of Contents

Introduction: Advances in Erythropoietin Research _____	1
W. JELKMANN and A. J. GROSS	
 Chemistry and Physiology _____	 5
Chemistry and Assays of Erythropoietin _____	7
T. R. J. LAPPIN and A. P. MAXWELL	
Erythropoietin Production Under Steady-State Conditions: Detection and Localization Using In Situ Hybridization ____	19
I. N. RICH	
Erythropoietin Synthesis in the Anemic Mouse Kidney as Observed by Morphological Techniques _____	26
P. BRUNEVAL, J. L. DA SILVA, C. LACOMBE, J.-L. SALZMANN, P. TAMBOURIN, B. VARET, J.-P. CAMILLERI, and J. BARIETY	
Tissue Hypoxia and the Production of Erythropoietin ____	36
H. PAGEL, W. JELKMANN, and C. WEISS	
Early Anemia in Mammals _____	48
S. HALVORSEN, M. HELLEBOSTAD, P. HOLTER, P. HÄGÄ, A. MEBERG, and T. SANENGEN	
 Pathophysiology of Erythropoiesis _____	 55
Physiological Studies of Erythropoietin in Plasma _____	57
P. M. COTES	

DJUKANOVIĆ, L.

Institute for Kidney Diseases, KBC Zvezdara, 11001 Beograd,
Yugoslavia

GANSER, A.

Abteilung für Hämatologie, Zentrum der Inneren Medizin,
Klinikum der J. W. Goethe-Universität, Theodor-Stern-Kai 7,
6000 Frankfurt/M 70, Federal Republic of Germany

GEISLER, K.

I. Medizinische Universitätsklinik, Lazarettgasse 14, 1090 Wien,
Austria

GRAF, H.

II. Medizinische Universitätsklinik, Garnisongasse 13, 1090 Wien,
Austria

GROSS, A. J.

Physiologisches Institut, Medizinische Universität zu Lübeck,
Ratzeburger Allee 160, 2400 Lübeck 1, Federal Republic
of Germany

GRÜTZMACHER, P.

Abteilung für Nephrologie, Zentrum der Inneren Medizin,
Klinikum der J. W. Goethe-Universität, Theodor-Stern-Kai 7,
6000 Frankfurt/M 70, Federal Republic of Germany

HAGÅ, P.

Departments of Pathology and Pediatrics, Oslo Kommune,
Ulleval Sykehus, Kirkeveien 166, 0407 Oslo 4, Norway

HALVORSEN, S.

Departments of Pathology and Pediatrics, Oslo Kommune,
Ulleval Sykehus, Kirkeveien 166, 0407 Oslo 4, Norway

HEIDLAND, A.

Abteilung für Nephrologie, Medizinische Universitätsklinik,
Josef-Schneider-Strasse 2, 8700 Würzburg, Federal Republic
of Germany

HELLEBOSTAD, M.

Departments of Pathology and Pediatrics, Oslo Kommune,
Ulleval Sykehus, Kirkeveien 166, 0407 Oslo 4, Norway

HINTERBERGER, W.

I. Medizinische Universitätsklinik, Lazarettgasse 14, 1090 Wien,
Austria

HOELZER, D.

Abteilung für Hämatologie, Zentrum der Inneren Medizin,
Klinikum der J. W. Goethe-Universität, Theodor-Stern-Kai 7,
6000 Frankfurt/M 70, Federal Republic of Germany

HOLLOWAY, C. J.

IBR Bioanalytical Centre, Feodor-Lynen-Strasse 5,
3000 Hannover 61, Federal Republic of Germany

HOLTER, P.

Departments of Pathology and Pediatrics, Oslo Kommune,
Ullevål Sykehus, Kirkeveien 166, 0407 Oslo 4, Norway

JELKMANN, W.

Physiologisches Institut, Medizinische Universität zu Lübeck,
Ratzeburger Allee 160, 2400 Lübeck 1, Federal Republic
of Germany

JOHANNSEN, H.

Physiologisches Institut, Medizinische Universität zu Lübeck,
Ratzeburger Allee 160, 2400 Lübeck 1, Federal Republic
of Germany

LACOMBE, C.

INSERM U 152 and CNRS UA 628, Hôpital Cochin, 27,
rue du Faubourg Saint-Jacques, 75014 Paris, France

LAMPERI, S.

St. Martin's Hospital, Viale Benedetto XV-10, 16132 Genova,
Italy

LAPPIN, T. R. J.

Eastern Health & Social Services Board, Royal Victoria Hospital,
Belfast BT12 6BA, Northern Ireland

MAXWELL, A. P.

Eastern Health & Social Services Board, Royal Victoria Hospital,
Belfast BT12 6BA, Northern Ireland