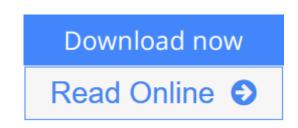


# Erythrocytes:Physiology and Pathophysiology

By Lang Florian



### Erythrocytes: Physiology and Pathophysiology By Lang Florian

The book covers the functional significance and properties of erythrocytes, their generation, senescence, and suicidal death. It further summarizes knowledge about hormones influencing erythrocyte formation including erythropoietin as well as disorders affecting and involving erythrocytes such as anemia, malaria, and sepsis.

This seminal work forms a unique reference on the most abundant cell type in mammals and will be an invaluable resource for students in the life sciences.

### **Contents:**

- Functional Significance of Erythrocytes (Wolfgang Jelkmann)
- Properties and Membrane Transport Mechanisms of Erythrocytes (*Peter K Lauf and Norma C Adragna*)
- Erythropoiesis (Maxim Pimkin and Mitchell J Weiss)
- Erythrocyte Senescence (Giel JCGM Bosman, Frans LA Willekens and Jan M Werre)
- Eryptosis, the Suicidal Death of Erythrocytes (*Florian Lang, Stephan Huber and Michael Föller*)
- Regulation of Red Cell Mass by Erythropoietin (Johannes Vogel and Max Gassmann)
- Anaemia (Gordon W Stewart and Michael Watts)
- Erythrocytes and Malaria (Henry M Staines, Elvira T Derbyshire, Farrah A Fatih, Amy K Bei and Manoj T Duraisingh)

**Readership:** Students and undergraduates in biology, researchers and professionals involved in clinical hematology, malaria or any erythrocyte related research.

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This seminal work, hence, forms a unique reference on the most abundant cell type in mammals and will be an invaluable resource for students in the life sciences.

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