

Oxidative stress in applied basic research and clinical practice**Studies on experimental models****Samar Basu and Lars Wiklund (eds)****Springer Verlag, Heidelberg, Germany, 2011****ISBN: 978-1-60761-955-0****Pages: 717; Figures: 111; €169,95**

A simple, up to date search in PubMed gets over 90,000 results for oxidative stress. The interest on oxidative stress in the field of basic and medical research is remarkable (Parkinson's disease, G6PDH deficiency, or diabetes are only a few examples).

Studies on experimental models, published by Humana Press, pertaining to the series *Oxidative Stress in Applied Basic Research and Clinical Practice*, is a tool for the study and reflections on oxidative stress and its implications for clinical research. In this book experimental models of oxidative stress are presented and discussed. Many of them may have important implications for the development of new therapeutic and preventive strategies in the context of several diseases. The book is organized into six sections, for a total of about

700 pages. The first part consists of two articles about diabetes, the second reports the experimental models used for the study of cardiovascular diseases, the third focuses on neurodegenerative diseases, the fourth is a brief but comprehensive excursus on ocular diseases, the fifth (one of the most interesting) deals with toxicological and environmental factors, with some articles about physical exercise as an experimental model. Finally, in the last part some *in vitro* models are presented.

Each chapter is organized as an article, with a short abstract, a discussion and an extensive bibliography. The editorial quality is very good, images are clear and well done, even in color if necessary. The contents are organized fairly well and the graphic layout is good and uniform.

We recommend this book to scientists and clinicians involved in basic and clinical research on oxidative stress, but also to those looking for ideas for new therapeutic and preventive approaches in many diseases.

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