Rev. Inst. Med. trop. S. Paulo
47(1):6, January-February, 2005

BOOK REVIEW

KOBAYASHI, K.; TSUCHIDA, E. & HORINOUCHI, H., ed. – **Artificial oxygen carrier. Its front line.** Tokyo, Springer, 2005. 280p. ilus. (Keio University International Symposia for Life Sciences and Medicine, v. 12) ISBN 4-431-22074-7

This volume of the Keio University International Symposia for Life Sciences and Medicine contains the proceedings of the 13th symposium held under the sponsorship of the Keio University Medical Science Fund. The fund was established by the generous donation of the late Dr. Mitsunada Sakaguchi. The Keio University International Symposia for Life Sciences and Medicine constitute one of the core activities sponsored by the fund, of which the objective is to contribute to the international community by developing human resources, promoting scientific knowledge, and encouraging mutual exchange. Each year, the Committee of the International Symposia for Life Sciences and Medicine selects the most significant symposium topics from applications received from the Keio medical community. The publication of the proceedings is intended to publicize and distribute the information arising from the lively discussions of the most exciting and current issues presented during the symposium.

Artificial Oxygen Carrier - While a reliable supply of donated blood is vital in modern medicine, it remains the case that blood transfusion comes with its own problems, such as infectious diseases, immunological adverse reactions, and difficulties with long-term storage and transportation of blood components. With a view to solving these problems, developing a suitable blood substitute has been a major goal for decades. **Artificial Oxygen Carrier: Its Front Line** is a compilation of reports on the concepts behind artificial oxygen carriers, as well as the new discoveries in the field that were presented during the 13th Keio International Symposium for Life Sciences and Medicine. This volume describes valuable topics, including artificial red blood cells, modified hemoglobin, perfluorocarbons, and hemoglobin vesicles. It explains cutting-edge developments in artificial oxygen carrier research and will be a valuable resource to all concerned with the field.

Keio University Medical Science Fund
35 Shinanomachi, Shinjuku-ku
Tokyo 160-8582 – Japan
e-mail: ms-fund@adst.keio.ac.jp

Life Sciences Editorial
Springer Verlag Tokyo
3-3-13, Hongo, Bunkyo-ku,
Tokyo 113-0033 Japan