

OXYGEN TRANSPORT
TO TISSUE XXVIII

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(Eds.)

Oxygen Transport to Tissue XXVIII

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INTERNATIONAL SOCIETY ON OXYGEN TRANSPORT TO ISSUE 2005-2006

The International Society on Oxygen Transport to Tissue is an interdisciplinary society comprised of approximately 260 Members worldwide. Its purpose is to further the understanding of all aspects of the process involved in the transport of oxygen from the air to its ultimate consumption in the cells of various organs of the body.

The annual meetings bring together scientists, engineers, clinicians and mathematicians in a unique international forum for the exchange of information and knowledge, the updating of participants on the latest developments and techniques, and the discussion of the controversial issues within the field of oxygen to tissue.

Examples of areas in which members have made highly significant contributions include electrode techniques, spectrophotometric methods, mathematical modeling of oxygen transport, and the understanding of local regulation of oxygen supply to tissue and fluorocarbons/ blood substitutes.

Founded in 1973, the society has been the leading platform for the presentation of many of the technological and conceptual developments within the field, both at meetings themselves and in the proceedings of the society. These are currently published by Springer in the *Advances in Experimental and Biology* series, which is listed with an impact factor in the Science Citation Index.

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PREFACE

At the beginning of a Southern Hemisphere Autumn, the ISOTT tribe assembled for its annual corroboree on the banks of the Brisbane River in Australia for five days of exciting science. Some of the tribe had travelled from as far as Sweden and other parts of Europe; many had spirited themselves across the Pacific Ocean from the Americas. Yet another small contingent had paddled down from Japan. All came with message sticks from their camp-sites.

The conference opened with an outdoor barbecue at the Southbank precinct, with the stars of the Southern Cross painting the river on one side and the artificial beach on the other; a perfect venue to meet old friends and to welcome new ones as a cool breeze wafted over our fires.

For the next five days there was the usual focus on oxygen; measurement techniques, its role in cancer and other diseases that beset us mortals and the biochemistry and physiology of this small vital molecule. It still astounds many that we have not yet learnt everything there is to know about this valuable friend, albeit a dangerous foe.

Time was found for us to visit Australia Zoo and stand in awe before exhibits of Australia's wild-life; great vicious creatures unchanged from the age of the dinosaurs, poisonous snakes and spiders, and gentle marsupials that posed for our digital cameras.

All too soon, the final lecture was delivered, the banquet was upon us and the prizes awarded. Time arrived then to say our farewells, each delegate carrying home a boomerang to remind us to attend the next meeting of ISOTT, and many more after that. The editors thank all participants in this conference as well as those who worked behind the scenes to ensure that things ran smoothly. We especially want to acknowledge the assistance of our technical editors, Lorraine Visser and Eileen Harrison in the preparation of this volume.

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