

## Preface

# Programme of the Meeting

March 9 (Thursday), 2000

10:00 – 10:10

Opening / N. Noguchi

10:10 – 12:10

E. Niki: Free radicals in 1900's from *in vitro* to *in vivo*

N.A. Porter: The initiation of and product analysis of free radical lipoprotein oxidation

K. Uchida: Cellular response to bioactive lipid peroxidation products

M.J. Davies: Nitrogen-centred radicals: novel intermediates in protein

13:40 – 15:40

H. Nakazawa: Injurious roles of superoxide, NO and peroxynitrite in various pathological conditions

M. Inoue: Role of NO and biothiols in the regulation of energy metabolism and circulatory status

H. Sies: Ebselen and selenoproteins

Y. Yamamoto: Fate of lipid hydroperoxides in blood plasma

16:10 – 17:40

N. Noguchi: Diverse functions of antioxidants against oxidative stress

A. Azzi: Control of gene expression by alpha-tocopherol

H. Arai: Alpha-tocopherol transfer protein; a molecular determinant of plasma E level

March 10 (Friday), 2000

10:00 – 12:00

B. Halliwell: Redox balance and human health

T. Yoshikawa: Free radicals and diseases – role of inflammation

M. Yamamoto: Transcription factor regulation of phase II drug metabolizing enzymes and oxidative defense proteins

L. Packer: Molecular aspects of *Gingko biloba* EGb 761 action; Network antioxidants, cell signaling and gene expression

13:30 – 15:00

E. Cadenas: Regulation of mitochondrial functions by nitric oxide and peroxynitrite

N. Taniguchi: Apoptosis by oxidative stress and its enzymatic basis

N. Ishii: Oxidative stress and aging in *Caenorhabditis elegans*

15:30 – 17:00

C. Pasquier: Endothelial cell response to oxidative stress: involvement of extracellular signal-regulated protein kinase (ERK) on cell survival

T. Kodama: Molecular biology of foam cell formation

J. Yodoi: Redox regulation by thioredoxin superfamily; Protection against oxidative stress and aging

17:00 –

Ending Remarks / H. Sies