



OXYGEN CLUB OF CALIFORNIA

2002 WORLD CONGRESS

OXIDANTS AND ANTIOXIDANTS IN BIOLOGY

PROGRAM

MARCH 6–9, 2002

FESS PARKER'S DOUBLE TREE RESORT

SANTA BARBARA, CALIFORNIA

ORGANIZERS

Lester Packer

DEPARTMENT OF MOLECULAR PHARMACOLOGY & TOXICOLOGY
SCHOOL OF PHARMACY, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA

Enrique Cadenas

DEPARTMENT OF MOLECULAR PHARMACOLOGY & TOXICOLOGY
SCHOOL OF PHARMACY, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA

SCIENTIFIC PROGRAM CHAIR

Helmut Sies

INSTITUT FÜR PHYSIOLOGISCHE CHEMIE I, HEINRICH-HEINE-UNIVERSITÄT
DÜSSELDORF, GERMANY

SCIENTIFIC PROGRAM COMMITTEE

Kelvin J.A. Davies

ETHEL PERCY ANDRUS GERONTOLOGY CENTER, UNIVERSITY OF SOUTHERN CALIFORNIA,
LOS ANGELES, CA, USA

Balz Frei

LINUS PAULING INSTITUTE, OREGON STATE UNIVERSITY, CORVALLIS, OR

Catherine Rice-Evans

CENTRE FOR AGE-RELATED DISEASES,
GKT SCHOOL OF BIOMEDICAL SCIENCES, KING'S COLLEGE, LONDON, UK

Junji Yodoi

DEPARTMENT OF BIOLOGICAL RESPONSES, INSTITUTE FOR VIRUS RESEARCH,
KYOTO UNIVERSITY, KYOTO, JAPAN

WEDNESDAY, MARCH 6, 2002

REGISTRATION

Registration will take place from 10 AM to 8 PM on Wednesday, March 6.

02:00 – 05:30 **FORUM: MEET THE YOUNG INVESTIGATORS**

Organized by

Jason Eiserich

DEPARTMENT OF INTERNAL MEDICINE, DIVISION OF NEPHROLOGY, UNIVERSITY OF CALIFORNIA, DAVIS, CA, USA

Albert van der Vliet

DEPARTMENT OF INTERNAL MEDICINE, UNIVERSITY OF CALIFORNIA, DAVIS

CHAIRPERSONS *Jason P. Eiserich*

DEPARTMENT OF INTERNAL MEDICINE, DIVISION OF NEPHROLOGY, UNIVERSITY OF CALIFORNIA, DAVIS, CA, USA

Albert van der Vliet

DEPARTMENT OF INTERNAL MEDICINE, UNIVERSITY OF CALIFORNIA, DAVIS

Antioxidant activity of isolated polyphenols from a tropical pitcher plant

Ma Hnin Hnin Aung

NANYANG TECHNOLOGICAL UNIVERSITY (hain@hotmail.com)

Down regulation of the LON protease causes impairment of mitochondrial morphology and function, and results in cell death

Daniela Bota

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES (dbota@yahoo.com)

Myeloperoxidase and the endothelium: binding of the enzyme to heparin

Anna L.P. Chapman

UNIVERSITY OF CALIFORNIA, DAVIS (alchapman@ucdavis.edu)

Modulation of neutrophil apoptosis by lipid oxidation products

Erik Finkelstein

UNIVERSITY OF CALIFORNIA, DAVIS (erifin@ucdavis.edu)

CHAIRPERSON *Kishor Gohil*
UNIVERSITY OF CALIFORNIA, DAVIS

How do dietary phenolic compounds affect vitamin E
and cholesterol in the body?

Jan Frank
SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES, SWEDEN (Jan.Frank@lmy.slu.se)

Topology of superoxide and hydrogen peroxide
production in mitochondria

Derick Han
UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES (derickh@hsc.usc.edu)

The effects of mild cigarette smoke exposure on NF-
B activation and apoptosis in human lymphocytes

Erez Hasnis
TECHNION-ISRAEL INSTITUTE OF TECHNOLOGY, ISRAEL (erezzha@hotmail.com)

CHAIRPERSON *Claude Saliou*
JOHNSON & JOHNSON, SKILLMAN, NJ

Metabolism of vitamin E; A single dose-response
study

Yvonne Jeanes
UNIVERSITY OF SURREY, SURREY, UK (yjeanes@yahoo.com)

Antioxidant capacity of apple polyphenols
Silvina B. Lotito

LINUS PAULING INSTITUTE, OR (silvina.lotito@orst.edu)

A prospective *Drosophila* model of FALS
Robin Mockett

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES
(mockett@hsc.usc.edu)

CHAIRPERSON *Gerald Rimbach*

THE UNIVERSITY OF READING, WHITEKNIGHTS, READING, UNITED KINGDOM

Estrogen-mediated neuroprotection: Mitochondrial mechanisms

Jon Nilsen

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES (jnilsen@hsc.usc.edu)

The effects of genistein on T47D breast cancer cells

Dominique Nguyen

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES (dominiqn@hsc.usc.edu)

Chemoprevention by carotenoids in lung and prostate?

Ute Obermüller-Jevic

UNIVERSITY OF CALIFORNIA, DAVIS (obermueller-jevic@gmx.de)

CHAIRPERSON *Jeremy Spencer*

CENTRE FOR AGE-RELATED DISEASES, KING'S COLLEGE, UK

Modulation of matrix metalloproteinase-9 expression in pulmonary epithelial cells by nitric oxide

Tatsuya Okamoto

UNIVERSITY OF CALIFORNIA, DAVIS (tokamoto@ucdavis.edu)

Pectins and pectic-oligosaccharides in colon cancer

Estibaliz Olano-Martin

UNIVERSITY OF CALIFORNIA, DAVIS (estibalizolano@hotmail.com)

Redox regulation of α -tubulin Tyrosination by Nox1

Anh D. Phung

UNIVERSITY OF CALIFORNIA, DAVIS (adphung@ucdavis.edu)

CHAIRPERSON *Anna L.P. Chapman*
UNIVERSITY OF CALIFORNIA, DAVIS

Antioxidant action of selenium compounds against
lipid peroxidation

Violeta Raneva

TEIKYO UNIVERSITY SCHOOL OF MEDICINE, JAPAN (villy@med.teikyo-u.ac.jp)

iNOS-induction by LPS is attenuated in α -tocopherol
transfer protein knockout mice

Bettina C. Schock

UNIVERSITY OF CALIFORNIA, DAVIS (bcschock@ucdavis.edu)

Proteasome can degrade oxidized proteins in cells
lacking ubiquitin-conjugating activity

Reshma Shringarpure

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES (shringar@usc.edu)

CHAIRPERSON *Estibaliz Olano-Martin*
UNIVERSITY OF CALIFORNIA, DAVIS

Carotenoid uptake and stability delivered as water-
dispersible beadlets in cell cultures

Siranoush Shahrzad

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES (shahrzad@hsc.usc.edu)

Ozone: environmental stress to the skin barrier

Giuseppe Valacchi

UNIVERSITY OF CALIFORNIA, DAVIS (gvalacchi@ucdavis.edu)

Metal-independent HO \cdot production by halogenated
quinones and H $_2$ O $_2$: What is the mechanism?

Benny Zhu

LINUS PAULING INSTITUTE, OREGON STATE UNIVERSITY (benzhan.zhu@orst.edu)

06:00 – 07:00 **KEYNOTE LECTURE**

INTRODUCTION *Kelvin J.A. Davies*

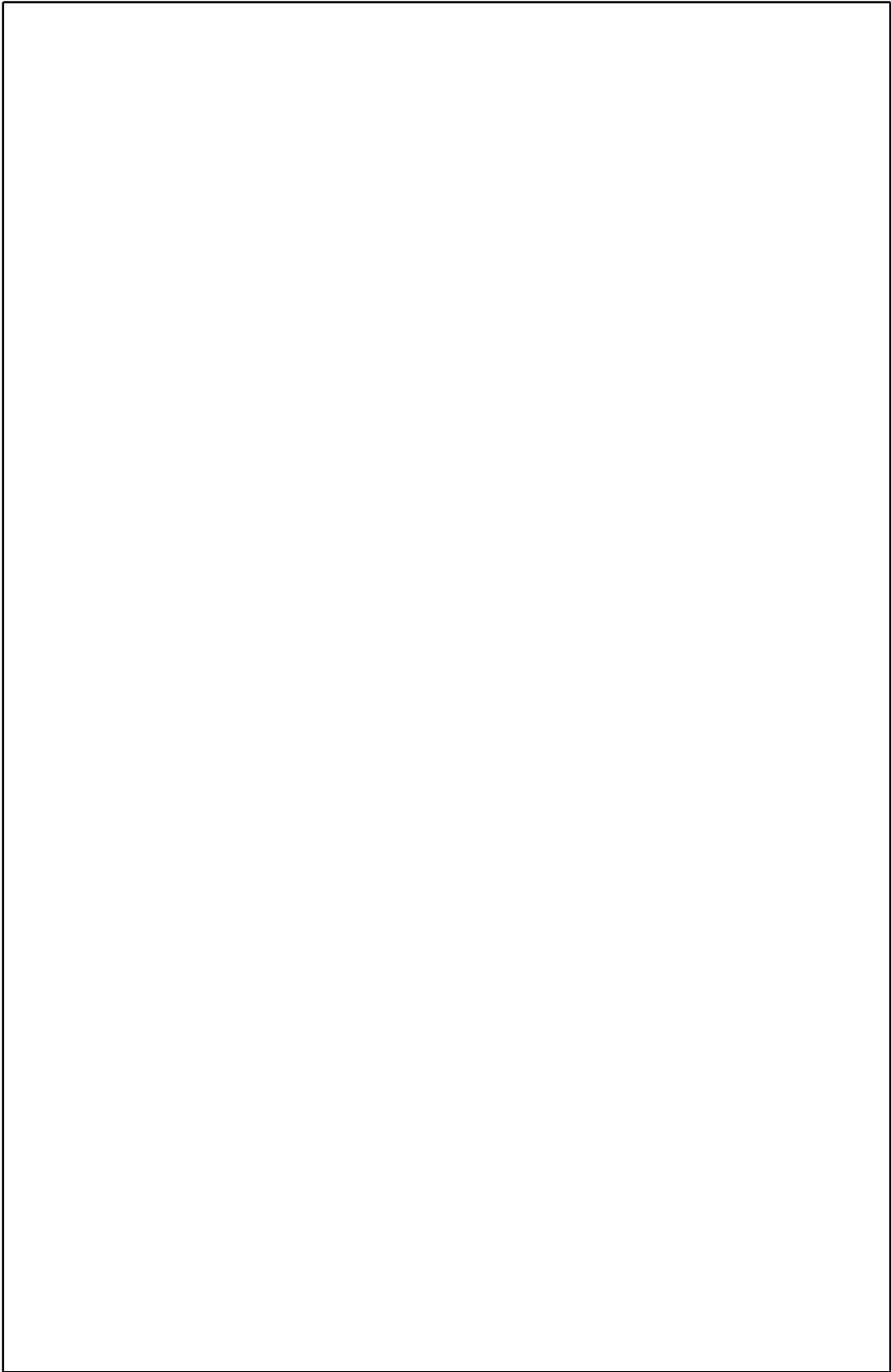
ETHEL PERCY ANDRUS GERONTOLOGY CENTER, UNIVERSITY OF SOUTHERN
CALIFORNIA, LOS ANGELES, CA, USA

Barry Halliwell

DEPARTMENT OF BIOCHEMISTRY, NATIONAL UNIVERSITY OF SINGAPORE,
SINGAPORE

Abnormal proteins and hydrogen peroxide:

Major cytotoxic factors to neurones?



THURSDAY, MARCH 7, 2002

SESSION I NITRIC OXIDE

CHAIRPERSONS *Willem H. Koppenol*

ETH HÖNGGERBERG, ZÜRICH, SWITZERLAND

Jim Hurst

DEPARTMENT OF CHEMISTRY, WASHINGTON STATE UNIVERSITY, PULLMAN, WA,
USA

09:00 – 09:20 Few radicals from the adduct between ONOO⁻ and
CO₂

Willem H. Koppenol

ETH HÖNGGERBERG, ZÜRICH, SWITZERLAND

09:20 – 09:40 Quantitation with fluorescent particles of reactive
oxidants produced by phagocytes

Jim Hurst

DEPARTMENT OF CHEMISTRY, WASHINGTON STATE UNIVERSITY, PULLMAN, WA,
USA

09:40 – 10:00 The complex roles of nitric oxide in airway
inflammation

Albert van der Vliet

DEPARTMENT OF INTERNAL MEDICINE, UNIVERSITY OF CALIFORNIA, DAVIS

10:00 – 10:20 *Coffee Break*

SESSION II NITRIC OXIDE

CHAIRPERSONS *Jason Eiserich*

DEPARTMENT OF INTERNAL MEDICINE, DIVISION OF NEPHROLOGY, UNIVERSITY OF CALIFORNIA, DAVIS, CA, USA

Albert van der Vliet

DEPARTMENT OF INTERNAL MEDICINE, UNIVERSITY OF CALIFORNIA, DAVIS

10:20 – 10:40 Nox1, a redox-based regulatory switch for inducible nitric oxide synthase

Jason Eiserich

DEPARTMENT OF INTERNAL MEDICINE, DIVISION OF NEPHROLOGY, UNIVERSITY OF CALIFORNIA, DAVIS, CA, USA

10:40 – 11:00 Effects of gender on reduced-size liver ischemia and reperfusion injury in mice: Role of nitric oxide

Matthew Grisham

DEPARTMENT OF MOLECULAR AND CELLULAR PHYSIOLOGY, LOUISIANA STATE UNIVERSITY HEALTH SCIENCES CENTER, SHREVEPORT, LA, USA

11:00 – 11:20 S-Nitrosothiol biochemistry and the normal response to hypoxia

Benjamin Gaston

DEPARTMENT OF PEDIATRICS, DIVISION OF RESPIRATORY MEDICINE, UNIVERSITY OF VIRGINIA SCHOOL OF MEDICINE, CHARLOTTESVILLE, VIRGINIA, USA

11:20 – 11:40 Regulation of apoptosis by cytochrome *c* nitrosylation

Joan Mannick

DEPARTMENT OF MEDICINE, UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, SHREWSBURY, MA, USA

11:40 – 12:00 *Conference Photo*
Organized by John Maguire

12:00 – 01:00 *Lunch*

SESSION III THE ANTIOXIDANT VITAMINS C AND E

CHAIRPERSONS *Balz Frei*

LINUS PAULING INSTITUTE AND DEPARTMENT OF BIOCHEMISTRY & BIOPHYSICS,
OREGON STATE UNIVERSITY, CORVALLIS, OR, USA

Regina Brigelius-Flohé

DEPARTMENT OF VITAMINS AND ATHEROSCLEROSIS, GERMAN INSTITUTE OF
HUMAN NUTRITION, BERGHOLZ-REHBRÜCKE, GERMANY

01:00 – 01:20 Vitamin E kinetics in pregnancy and lactation. 2:1
Preference for *RRR*- compared with all *rac*- -
tocopherols

Maret Traber

LINUS PAULING INSTITUTE, OREGON STATE UNIVERSITY, CORVALLIS, OR, USA

01:20 – 01:40 Mechanisms of vitamin E metabolism

Regina Brigelius-Flohé

DEPARTMENT OF VITAMINS AND ATHEROSCLEROSIS, GERMAN INSTITUTE OF
HUMAN NUTRITION, BERGHOLZ-REHBRÜCKE, GERMANY

01:40 – 02:00 -Tocopherol metabolism and its relationship with -
tocopherol in humans

Frank J. Kelly

LUNG BIOLOGY, THE RAYNE INSTITUTE, ST THOMAS' HOSPITAL, KING'S COLLEGE,
LONDON, UNITED KINGDOM

02:00 – 02:20 Bioavailability and biopotency of vitamin E in
humans: An ongoing controversy

Peter Hoppe

BASF NUTRITION RESEARCH STATION, OFFENBACH, GERMANY

02:20 – 02:40 Vitamin C pharmacokinetics in healthy humans

Mark A. Levine

MOLECULAR AND CLINICAL NUTRITION SECTION, DIGESTIVE DISEASES BRANCH,
NIDDK, NATIONAL INSTITUTES OF HEALTH, BETHESDA, MD, USA

02:40 – 03:00 Vitamin C: transport and new biology

David Golde

MEMORIAL SLOAN-KETTERING CANCER CENTER, NEW YORK, NY, USA

SESSION IV THE ANTIOXIDANT VITAMINS C AND E

CHAIRPERSONS *Lester Packer*

DEPARTMENT OF MOLECULAR PHARMACOLOGY & TOXICOLOGY, SCHOOL OF PHARMACY, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA, USA

Maret Traber

LINUS PAULING INSTITUTE, OREGON STATE UNIVERSITY, CORVALLIS, OR, USA

03:00 – 03:20 Effect of selenium and vitamin E on differential gene expression *in vitro* and *in vivo*

Gerald Rimbach

HUGH SINCLAIR HUMAN NUTRITION UNIT, SCHOOL OF FOOD BIOSCIENCE, THE UNIVERSITY OF READING, WHITEKNIGHTS, READING, UNITED KINGDOM

03:20 – 03:40 Vitamin E in cell signalling

Angelo Azzi

INSTITUTE OF BIOCHEMISTRY AND MOLECULAR BIOLOGY, UNIVERSITY OF BERN, BERN, SWITZERLAND

03:40 – 04:00 -Tocopherol transfer protein and familial isolated vitamin E deficiency

Hiroyuki Arai

DEPARTMENT OF HEALTH CHEMISTRY, GRADUATE SCHOOL OF PHARMACEUTICAL SCIENCES, UNIVERSITY OF TOKYO, TOKYO, JAPAN

04:00 – 04:20 Vitamin C-induced decomposition of lipid hydroperoxides to endogenous genotoxins

Ian Blair

CENTER FOR CANCER PHARMACOLOGY, UNIVERSITY OF PENNSYLVANIA SCHOOL OF MEDICINE, PHILADELPHIA, PA, USA

04:20 – 04:40 Vitamin C does not act as a pro-oxidant towards lipid and proteins in human plasma exposed to the complete Udenfriend system

Balz Frei

LINUS PAULING INSTITUTE AND DEPARTMENT OF BIOCHEMISTRY AND BIOPHYSICS, OREGON STATE UNIVERSITY, CORVALLIS, OR, USA

04:40 – 05:00 Vitamin C and endothelial nitric oxide synthesis

Regine Heller

CENTER OF VASCULAR BIOLOGY AND MEDICINE, FRIEDRICH-SCHILLER-UNIVERSITY OF JENA, ERFURT, GERMANY

SESSION V THE ANTIOXIDANT VITAMINS C AND E

CHAIRPERSONS *Barry Halliwell*

DEPARTMENT OF BIOCHEMISTRY, NATIONAL UNIVERSITY OF SINGAPORE,
SINGAPORE

Regine Heller

CENTER OF VASCULAR BIOLOGY AND MEDICINE, FRIEDRICH-SCHILLER-
UNIVERSITY OF JENA, ERFURT, GERMANY

05:00 – 05:20 The vitamin E atherosclerosis prevention study
(VEAPS): Reduction in LDL oxidation without effects
on atherosclerosis progression rates?

Alex Sevanian

DEPARTMENT OF MOLECULAR PHARMACOLOGY & TOXICOLOGY, SCHOOL OF
PHARMACY, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA

05:20 – 05:40 Is there a role for vitamin E in the prevention of
atherosclerosis?

Roland Stocker

BIOCHEMISTRY GROUP, HEART RESEARCH INSTITUTE, CAMPERDOWN, NSW,
AUSTRALIA

05:40 – 06:00 Randomised trial of cholesterol-lowering therapy and
of antioxidant vitamins in 20,536 people at increased
risk of coronary heart disease death

Rory Collins

CLINICAL TRIAL SERVICE UNIT AND EPIDEMIOLOGICAL STUDIES UNIT, RADCLIFFE
INFIRMARY, OXFORD, UNITED KINGDOM

06:00 *Refreshments and Poster Discussion*

FRIDAY, MARCH 8, 2002

SESSION VI THE ANTIOXIDANT VITAMINS C AND E

CHAIRPERSONS *Roland Stocker*

BIOCHEMISTRY GROUP, HEART RESEARCH INSTITUTE, CAMPERDOWN, NSW,
AUSTRALIA

Mark Levine

MOLECULAR AND CLINICAL NUTRITION SECTION, DIGESTIVE DISEASES BRANCH,
NIDDK, NATIONAL INSTITUTES OF HEALTH, BETHESDA, MD, USA

09:00 – 09:20 Vitamin E and enhancement of the immune response
in the aged: Cellular and molecular mechanisms

Simin Meydani

JEAN MAYER USDA HUMAN NUTRITION RESEARCH CENTER, NUTRITION
IMMUNOLOGY LABORATORY, BOSTON, MA, USA

09:20 – 09:40 -Tocopherol, oxidative stress, inflammation and
diabetes

Kenny Jialal

CENTER FOR HUMAN NUTRITION, DEPARTMENT OF CLINICAL NUTRITION
THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS
DALLAS, TEXAS

09:40 – 10:00 Potential adverse effects of vitamins C and E

Carol S. Johnston

DEPARTMENT OF NUTRITION, ARIZONA STATE UNIVERSITY EAST, MESA, AZ,
USA

10:00 – 10:20 Serum ascorbic acid and disease prevalence: The third
national health and nutrition examination survey
(NHANES III)

Joel A. Simon

MEDICAL SERVICE, VETERANS AFFAIRS MEDICAL CENTER, SAN FRANCISCO, CA,
USA

10:20 – 10:40 Vitamin C status and mortality in US adults

Catherine Loria

NHLBI, NATIONAL INSTITUTES OF HEALTH, BETHESDA, MD, USA

10:40 – 11:00 *Coffee break*

SESSION VII NEW HORIZONS ON CAROTENOID RESEARCH

CHAIRPERSONS *Helmut Sies*

INSTITUT FÜR PHYSIOLOGISCHE CHEMIE I, HEINRICH-HEINE-UNIVERSITÄT
DÜSSELDORF, DÜSSELDORF, GERMANY

Norman I. Krinsky

DEPARTMENT OF BIOCHEMISTRY, TUFTS UNIVERSITY SCHOOL OF MEDICINE,
BOSTON, MA, USA

11:00 – 11:20 Conversion of carotenoids to vitamin A: New insights
on the molecular level

Johannes von Lintig

INSTITUTE OF BIOLOGY I, NEUROBIOLOGY AND ANIMAL PHYSIOLOGY, UNIVERSITY
OF FREIBURG, FREIBURG, GERMANY

11:20 – 11:40 The role of carotenoids in age-related macular
degeneration: Where are we now, and where do we go
from here?

Paul Bernstein

MORAN EYE CENTER, UNIVERSITY OF UTAH, SALT LAKE CITY, UT, USA

11:40 – 12:00 Roles of antioxidants and DNA repair in regulating
oxidative DNA damage

Andrew Collins

DNA INSTABILITY LABORATORY, ROWETT RESEARCH INSTITUTE, ABERDEEN,
UNITED KINGDOM

12:00 – 12:20 -Carotene and lycopene in oral sun protection

Wilhelm Stahl

INSTITUTE OF PHYSIOLOGICAL CHEMISTRY I, HEINRICH-HEINE UNIVERSITY OF
DÜSSELDORF, DÜSSELDORF, GERMANY

SPECIAL LECTURE

12:20 – 01:00 Historical critical evaluation of free radical and
antioxidant research

Norman I. Krinsky

DEPARTMENT OF BIOCHEMISTRY, TUFTS UNIVERSITY SCHOOL OF MEDICINE,
BOSTON, MA, USA

01:00 – 02:00 *Lunch*

SESSION VIII REDOX REGULATION OF SIGNAL TRANSDUCTION

CHAIRPERSONS *Junji Yodoi*

DEPARTMENT OF BIOLOGICAL RESPONSES, INSTITUTE FOR VIRUS RESEARCH,
KYOTO UNIVERSITY, KYOTO, JAPAN

Hadi Moini

DEPARTMENT OF MOLECULAR PHARMACOLOGY & TOXICOLOGY, SCHOOL OF
PHARMACY, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA

02:00 – 02:20 Thioredoxin targets involved in subcellular traffic

Junji Yodoi

DEPARTMENT OF BIOLOGICAL RESPONSES, INSTITUTE FOR VIRUS RESEARCH,
KYOTO UNIVERSITY, KYOTO, JAPAN

02:20 – 02:40 Diversity of redox activation pathways for NF B in
response to environmental injuries

John F. Engelhardt

GENE THERAPY CENTER FOR CYSTIC FIBROSIS AND OTHER GENETIC DISEASES,
DEPARTMENT OF ANATOMY AND CELL BIOLOGY, UNIVERSITY OF IOWA, IOWA
CITY, IOWA, USA

02:40 – 03:00 Sptrx-1, a novel thioredoxin expressed during
mammalian sperm tail elongation

Antonio Miranda Vizuete

DEPARTMENT OF BIOSCIENCES AT NOVUM, CENTER FOR BIOTECHNOLOGY,
KAROLINSKA INSTITUTE, HUDDINGE, SWEDEN

03:00 – 03:20 Cystine/glutamate exchange transporter: occurrence
and redox regulation of its expression

Shiro Bannai

DEPARTMENT OF BIOCHEMISTRY, INSTITUTE OF BASIC MEDICAL SCIENCES,
UNIVERSITY OF TSUKUBA, TSUKUBA, IBARAKI, JAPAN

SESSION IX OXYGEN, ANTIOXIDANTS, AND REDOX SIGNALING

CHAIRPERSONS *Chandan K. Sen*

THE OHIO STATE UNIVERSITY MEDICAL CENTER, COLUMBUS, OH, USA

Joe M. McCord

WEBB-WARING INSTITUTE, UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER, DENVER, CO, USA

03:20 – 03:40 Superoxide dismutases and cancer: Evidence for two distinct types of lung cancer

Joe McCord

WEBB-WARING INSTITUTE, UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER, DENVER, CO, USA

03:40 – 04:00 Translational regulation of MnSOD by an RNA-binding protein: Role of tyrosine phosphorylation

Linda Clerch

LUNG BIOLOGY LABORATORY, GEORGETOWN UNIVERSITY SCHOOL OF MEDICINE, WASHINGTON, DC, USA

04:00 – 04:20 Revisiting the neuroprotective properties of vitamin E

Chandan K. Sen

THE OHIO STATE UNIVERSITY MEDICAL CENTER, COLUMBUS, OH, USA

04:20 – 04:40 Multiple and tissue specific actions of tocopherol transfer-protein gene *in vivo*

Kishor Gohil

DEPARTMENT OF INTERNAL MEDICINE, DIVISION OF PULMONARY MEDICINE, UNIVERSITY OF CALIFORNIA DAVIS, CA

04:40 - 05:00 *Coffee break*

05:00 - 06:30

SESSION X SCIENCE & HUMANITY PRIZE

Presented by Madame Osato and Osato Research Institute

CHAIRPERSON *Alex Sevanian*

DEPARTMENT OF MOLECULAR PHARMACOLOGY & TOXICOLOGY, SCHOOL OF
PHARMACY, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA, USA

POSTER PRESENTATIONS

Catherine Rice-Evans

CENTRE FOR AGE-RELATED DISEASES, GKT SCHOOL OF BIOMEDICAL SCIENCES,
KING'S COLLEGE, LONDON, UK

Norman I. Krinsky

DEPARTMENT OF BIOCHEMISTRY, TUFTS UNIVERSITY SCHOOL OF MEDICINE,
BOSTON, MA, USA

08:00

Yoko Tokue

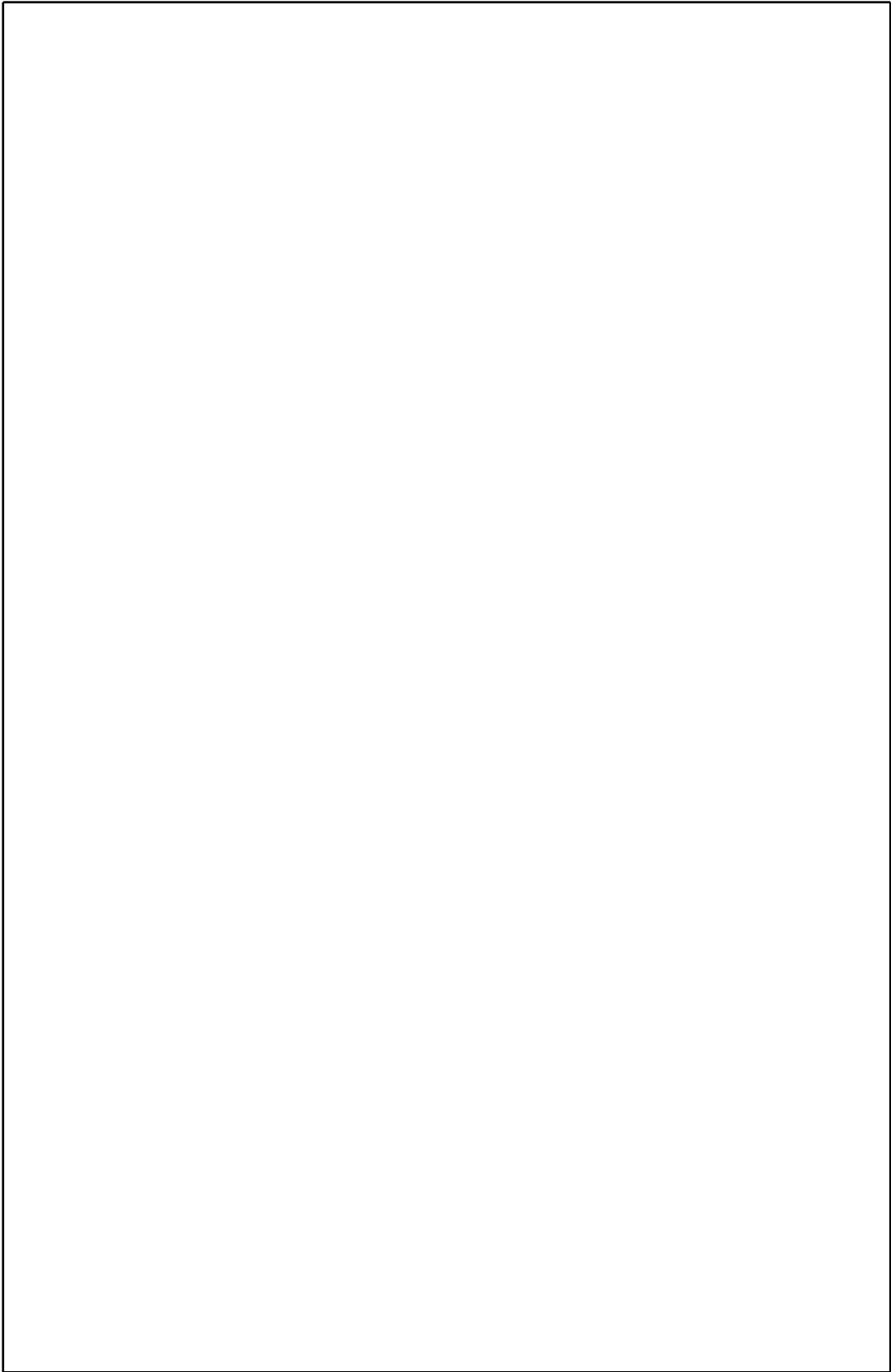
Charity Piano Concert

UNESCO World Foundation AIDS Research and Prevention

Piano courtesy of Bösendorfer

08:30

Banquet



SATURDAY, MARCH 9, 2002

SESSION XI NEURODEGENERATION

CHAIRPERSONS *Catherine Rice-Evans*

CENTRE FOR AGE-RELATED DISEASES, GKT SCHOOL OF BIOMEDICAL SCIENCES,
KING'S COLLEGE, LONDON, UK

Jim Joseph

HUMAN NUTRITION RESEARCH CENTER ON AGING AT TUFTS UNIVERSITY, BOSTON,
MA, USA

09:00 – 09:20 Neuroprotective effects of natural extracts and NOS
inhibitors against β -amyloid toxicity

Stephane Bastianetto

DOUGLAS HOSPITAL RESEARCH CENTRE, VERDUN, QUEBEC, CANADA

09:20 – 09:40 Signaling oxidative stress in Alzheimer's disease

Xiongwei Zhu

INSTITUTE OF PATHOLOGY, CASE WESTERN RESERVE UNIVERSITY, CLEVELAND,
OHIO, USA

09:40 – 10:00 Flavonoids and protection against neurodegeneration

Jim Joseph

HUMAN NUTRITION RESEARCH CENTER ON AGING AT TUFTS UNIVERSITY, BOSTON,
MA, USA

10:00 – 10:20 Neuroprotective mechanisms of flavonoids against
oxidative stress-induced cell death involving MAP
kinase activation

Hagen Schroeter

CENTRE FOR AGE-RELATED DISEASES, GKT SCHOOL OF BIOMEDICAL SCIENCES,
KING'S COLLEGE, LONDON, UK

10:20 – 10:40 Neurosteroid synthesis in neurodegeneration:
An oxidative stress-mediated process

Vasilios Papadopoulos

DIVISION OF HORMONE RESEARCH, DEPARTMENT OF CELL BIOLOGY, GEORGETOWN
UNIVERSITY MEDICAL CENTER, WASHINGTON, DC, USA

10:40 – 11:00 *Coffee break*

SESSION XII NEUROBIOLOGY AND NITRIC OXIDE

CHAIRPERSONS *Christian Behl*

MPG-NACHWUCHSGRUPPE, MAX PLANCK INSTITUT FÜR PSYCHIATRIE, MÜNCHEN,
GERMANY

Robert A. Floyd

FREE RADICAL BIOLOGY AND AGING RESEARCH PROGRAM, OKLAHOMA MEDICAL
RESEARCH FOUNDATION, OKLAHOMA CITY, OK, USA

11:00 – 11:20 A proteomics approach to study tyrosine nitration of
mitochondrial complex I during cardiac ischemia-
reperfusion

Paul S. Brookes

DEPARTMENT OF PATHOLOGY, UNIVERSITY OF ALABAMA AT BIRMINGHAM,
BIRMINGHAM, AL 35294, USA

11:20 – 11:40 Oxidative apoptosis and novel targets for
neuroprotection

Christian Behl

MPG-NACHWUCHSGRUPPE, MAX PLANCK INSTITUT FÜR PSYCHIATRIE, MÜNCHEN,
GERMANY

11:40 – 12:00 Neurotoxicity of NMDA: Novel therapeutic
approaches

Stuart A. Lipton

CENTER FOR NEUROSCIENCE AND AGING, THE BURNHAM INSTITUTE, LA JOLLA,
CA, USA

12:00 – 12:20 Nitric oxide, mitochondria, and neurobiology

Juan José Poderoso

OXYGEN METABOLISM LABORATORY, SCHOOL OF MEDICINE, UNIVERSITY OF
BUENOS AIRES, BUENOS AIRES, ARGENTINA

KEYNOTE LECTURE

CHAIRPERSON *Balz Frei*

LINUS PAULING INSTITUTE AND DEPARTMENT OF BIOCHEMISTRY AND BIOPHYSICS,
OREGON STATE UNIVERSITY, CORVALLIS, OR, USA

12:20 – 01:00 Reversing the mitochondrial decay in aging by a
metabolic tune-up

Bruce Ames

CHILDREN'S HOSPITAL OAKLAND RESEARCH INSTITUTE, OAKLAND, CA, USA

CONCLUDING REMARKS

Lester Packer

OCC PRESIDENT

Balz Frei / Kelvin J.A. Davies

LPI / OCC 2003

Kelvin J.A. Davies / Balz Frei

OCC / LPI 2004

01:00 *Farewell lunch*

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UNESCO WORLD FOUNDATION AIDS RESEARCH AND PREVENTION

