

Free Radicals: The Pros and Cons of Antioxidants

Agenda

Thursday, June 26, 2003

8:00 - 8:20	GREETINGS AND OPENING REMARKS DCP Greetings and Introductions Welcome and Prevention overview remarks DCTD Welcome and Therapy overview remarks NCCAM Welcome and overview remarks from complementary and alternative medicine ODS Welcome and overview remarks on dietary supplements	Harold Seifried Peter Greenwald Ellen Feigal Steve Straus Paul Coates
8:20 - 8:55	Free Radicals, Cancer Prevention and Therapy: Oxidants, Antioxidants, and Degenerative Disease	Bruce Ames
8:55 - 9:05	Discussion	
9:05 - 11:30	Session 1 - Oxidative Stress - Positive and Negative Aspects Chair: Steve Zeisel, University of North Carolina (15 minute presentations followed by 5 minutes of discussion)	
9:05 - 9:25	Redox Regulation in Normal and Neoplastic Tissue Frank Meyskens (UC Irvine, Chao Family Comprehensive Cancer Center)	
9:25 - 9:45	Cellular Responses to Oxidative Stress: Signaling for Suicide and Survival Nikki Holbrook (Yale University)	
9:45 - 10:05	Break	
10:05 - 10:25	Mechanisms of Pro- and Anti-oxidation Homer S. Black (Baylor)	
10:25 - 10:45	Iron, Free Radicals and Oxidative Injury Joe M. McCord, (Univ. of Colorado Health Sciences Center)	

10:45 - 11:05	Oxidative Stress and Human Genetic Variation Ralf Morgenstern (Karolinska Institutet)
11:05 - 11:30	Discussion Session 1
11:30 - 12:30	Lunch
12:30 - 2:00	Session 2 - Antioxidant Effects Pros and Cons Chair: Richard Rivlin, IFCP (15 minute presentations followed by 5 minutes of discussion)
12:30 - 12:50	Phytochemical Effects Beyond Antioxidation David Heber (UCLA)
12:50 - 1:10	Tumor Suppressing Effects of Antioxidants Roderick Dashwood (Linus Pauling Institute - Oregon State Univ.)
1:10 - 1:20	Antioxidants Suppress Apoptosis Steve Zeisel (University of North Carolina)
1:20 - 1:40	Mechanisms of action of tea polyphenols CS Yang (Rutgers)
1:40 - 2:00	Antioxidants Enhance the Effect of Radiation and Chemotherapeutic Agents on Cancer Cells Kedar Prasad (Univ. of Colorado Health Sciences Center)
2:00 - 2:20	Discussion Session 2
2:20 - 2:40	Break
2:40 - 5:00	Session 3 - Biomarkers Chair: Steve Clinton, Ohio State University (15 minute presentation followed by 5 minutes of discussion)
2:40 - 3:00	Biomarkers: Fact and Artifact James Swenberg (University of North Carolina)
3:00 - 3:20	Plasma Antioxidant Measurements Ronald Prior (Arkansas Human Nutr Ctr.)
3:20 - 3:40	DNA Oxidation Products Henry Thompson (Colorado State University)
3:40 - 4:00	Use of Biomarkers of Oxidative Stress in Research Studies Jeffrey Blumberg (Tufts)

4:00 - 4:20	Antioxidant Enzymes - Genetic Variation Daret St. Clair (University of Kentucky)
4:20 - 5:00	Discussion Session 3
5:30 - 9:00	Reception (Bethesda Marriott, Pooks Hill) (Poster Session)

Friday, June 27, 2003

8:00 - 9:40	Session 4 - Clinical Aspects of Antioxidant Usage Chair: Rebecca Costello, ODS (15 minute presentations followed by 5 minutes of discussions)
8:00 - 8:20	Consumer Perspectives About Antioxidants Cheryl Toner (IFIC)
8:20 - 8:40	What Patients Are Asking About Supplements Cheryl Rock, (UCSD)
8:40 - 9:00	Efficacy of Dietary Antioxidants to Prevent Oxidative Damage Balz Frei (Linus Pauling Institute - Oregon State Univ.)
9:00 - 9:20	Biomarkers for Assessing Intakes of Antioxidant Nutrients Susan T. Mayne (Yale University)
9:20 - 9:40	Discussion Session 4
9:40 - 11:30	Session 5a - Chemotherapy - Antioxidant Interactions Chair: David S. Rosenthal, Harvard (15 minute presentations followed by 5 minutes of discussions)
9:40 - 10:10	Chemotherapy, Free Radicals and Cancer: An Overview Kenneth Conklin (UCLA)
10:10 - 10:30	Vitamin C, Oxidative Stress, and Cancer Therapy David Golde (MSKCC)
10:30 - 10:50	Break
10:50 - 11:10	Drugs, Glutathione and ROS in Regulation of Proliferation Kenneth D. Tew (Fox Chase)
11:10 - 11:30	Discussion Session 5

11:30 - 12:50	Session 5b - Radiotherapy - Antioxidant Interactions Chair: Norman Coleman, NCI (15 minute presentations followed by 5 minutes of discussion)
11:30 - 11:50	Radiotherapy, Free Radicals and Cancer Carmia Borek (Tufts)
11:50 - 12:10	Novel Functional Imaging for Tissue Oxygen Concentration and Redox Status James Mitchell (NCI)
12:10 - 12:30	Prostate Cancer Therapy and Biomarkers William Nelson (Johns Hopkins)
12:30 - 1:30	Lunch
1:30 - 1:50	Redox Sensitive Signaling Factors and Antioxidants: How Tumor Cells Response to Ionizing Radiation David Gius (NCI)
1:50 - 2:10	Discussion Session 5
2:10 - 3:30	Session 6 - Wrap-up/Summary, Opportunities and Challenges Chair: John Milner Panel Members: Drs. Clinton, Zeisel, Rivlin, Rosenthal