

Genotoxicity and Environmental Mutagen Society(GEMS)

Spring Meeting

**May 16th, 2001
Holiday Inn Hotel, (I-40)
Page Rd Exit**

“Oxygen Radical Toxicity”

- 8:00 - 9:00 Registration and Breakfast
9:00 - 9:15 Welcoming Remarks: Dr. Michael L. Cunningham, GEMS President
- Speaker Introduction: Dr. Amal Abu-Shakra, GEMS President-Elect
- 9:15 - 10:00 Dr. Irwin Fridovich, Professor Emeritus, Duke University Medical Center
“Oxygen, the Toxic Mutagen That We Have Learned to Live With”
- 10:00 - 10:45 Dr. Hosni Hassan, Department of Microbiology, North Carolina State University
“Cooperative Regulation of Antioxidants Enzymes and DNA Repair in *E. coli*”
- 11:00 - 11:45 Dr. David Wink, National Cancer Institute, Bethesda, MD
“Differential Cellular Response to No Redox Chemistry. The Four Colors Of Nitric Oxide.”
- 12:00 - 1:30 LUNCH (HI-TECH)
- 1:30 - 2:00 Dr. Celia Bonaventura, Duke University Marine Laboratory, Beaufort, NC
“Nitric Oxide, S-Nitrosothiols, and Hemoglobin”
- 2:00 - 2:45 Dr. Steven Swarts, Wake Forest University Baptist Medical Center
“The Pitfalls of Using GS/MS Techniques in Assessing Oxidative Stress as Oxidative DNA Base Damage in Epidemiological Studies”
- 3:00 - 3:45 Dr. Ronald Mason, NIEHS, RTP, NC
“In vitro Detection of Free Radicals: Triumphs, Defeats, and Challenges”
- 4:00 - 5:30 Gourmet Reception

There will be coffee stations set up from 10:30 - 11:30 am, and from 2:30 - 3:30 pm