Oxidative Stress and Health Disparities

*Dietary Habits/Lifestyle*  
Environment/Genetics

ASCOS  
(Augmented State of Cellular Oxidative Stress)

Stress/Antioxidant Survival Pathways  
Genomic Alterations  
Cell Dysfunction

Cancer  
Diabetes  
Stroke
Health Disparities: A possible Model

SES
- Education
- Occupation
- Income
- Subjective SES
- SES Inequality

Psychological Influences
- Resilience/Reserve Capacity
- Negative Affect (anxiety, depression, hostility)
- Lack of Control
- Negative Expectations
- Perceived Discrimination
- Reactive Responding

Access to Medical Care

Exposure to Carcinogens & Pathogens

Health Related Behaviors

CNS & Endocrine Response
Allostatic Load

Health Outcomes
- Health
  - Cognitive fx
  - Physical fx
- Disease
- Disease Trajectories
  - Recovery
  - Relapse
  - Secondary Events
- Mortality

Life Course

*Source: Adler, 2006