

## **DNA Damage and Cellular Responses (tentative)**

### **Objectives**

It is proposed to run two 3 hour sessions back-to-back comprising of 8-10 speakers with follow-up panel discussion.

### **Scope:**

Sustainability research in life spans a wide range of macro disciplines such as biology and environmental sciences, but of equal importance is the strong basic understanding of the function of life molecules such as DNA, RNA, and protein. In particular, molecular understanding of DNA damage and consequences provides avenues for chemo- and environmental- protection as well as development of new drugs and vaccines. We have identified and assembled a critical mass of Korean American scientists in the subject areas. They are comprised of chemists, physicists, biologists, and clinicians from various academic, private and government institutions. The proposed session will help aid networking of scientists from both the States and Korea in the subject area

### **Topics:**

- 1) Chemical and Physical DNA Dmage
- 2) DNA Replication
- 3) Repair
- 4) Mutation
- 5) Signaling
- 6) Checkpoint Regulation

### **Symposium Chair and Co-Chairs**

**Chair:**           **Bongsup Cho** (University of Rhode Island)

**Co-Chairs:**   **Suk-hee Lee** (Indiana University)  
                  **Young-Joon Surh** (Seoul National University)

**Note:** A special publication in “DNA Repair” or “Mutation Research” may be considered from this session.