

**The 2nd Biosignal Research Center International Symposium  
(ICEM-ACEM 2017 Satellite Symposium on DNA Repair)  
Environmental Stress and Genome Damage Response:  
Biosignals from Molecule to Disease**

@Rokko Hall (Kobe University Centennial Hall, Rokkodai 2nd Campus)

**November 20 (Mon)**

13:30      Opening remark

**Session 1: DNA Damage Recognition for Global Genome NER**

- 13:40      Jung-Hyun Min (University of Illinois at Chicago)  
Interdisciplinary approaches to understand DNA damage recognition during nucleotide excision repair.
- 14:15      Syota Matsumoto (Friedrich Miescher Institute for Biomedical Research)  
Structural analysis of DNA-damage recognition protein DDB2 on chromatin.
- 14:50      Kaoru Sugasawa (Kobe University)  
Mechanism and regulation of DNA damage recognition in nucleotide excision repair.

15:25      Coffee break

**Session 2: NER and DNA Damage Response**

- 15:40      Priscilla K. Cooper (Lawrence Berkeley National Laboratory)  
Multiple roles of XPG as a scaffold protein in DNA damage responses.
- 16:15      Tomoo Ogi (Nagoya University)  
Human genetic disorders associated with TC-NER deficiency.

16:50      Coffee break

**Plenary Lecture 1:**

- 17:05      Jan H. J. Hoeijmakers (Erasmus Medical Center)  
The impact of genome integrity on mental and physical healthspan.
- 18:30      Reception (@Takigawa Memorial Hall, 1F)

**November 21 (Tue)**

**Session 3: Interplay of Transcription with DNA Damage Response**

10:00 Wim Vermeulen (Erasmus Medical Center)

DNA damage resistance controlled via SWI/SNF-regulated TFIIH expression.

10:35 Ayako Ui (Tokyo University of Technology)

The role of DSB repair and checkpoint during transcription for genome stability.

11:10 Coffee break

**Plenary Lecture 2:**

11:25 Fumio Hanaoka (University of Tsukuba)

TLS polymerases and mutagenesis.

12:20 Lunch

**Session 4: TLS and Interstrand Crosslink Repair**

13:30 Chikahide Masutani (Nagoya University)

Regulation of translesion DNA synthesis by PCNA ubiquitination.

14:05 Orlando D. Schärer (Institute for Basic Science/UNIST)

Structure-function relationship studies of DNA polymerases in DNA interstrand crosslink repair.

14:40 Toshiyasu Taniguchi (Tokai University School of Medicine)

The Fanconi anemia-BRCA pathway and cancer.

15:15 Closing remark