
The 169th iCeMS SEMINAR

Wed 28 May 2014
16:00-17:00

Atomic force microscopy imaging studies of DNA lesion detection strategies

Lecturer: **Dr Ingrid Tessmer**
Rudolf Virchow Center for Experimental Biomedicine
University of Würzburg, Germany

Venue: 2nd Floor Seminar Room (#A207)
iCeMS Main Building (#77), Kyoto University

Atomic force microscopy (AFM) analyses provide unique and important structural and functional information on protein-DNA interactions at the level of the individual molecules. We apply AFM imaging to the study of DNA lesion search and recognition strategies employed by different DNA repair mechanisms. In my talk, I will focus on and compare our findings for lesion detection approaches in DNA mismatch repair, nucleotide excision repair, and the direct damage reversal pathway of the alkylguanine DNA alkyltransferase.

Contact: iCeMS Sugiyama Group at sugiyama-g@icems.kyoto-u.ac.jp
Hosted by: iCeMS (Institute for Integrated Cell-Material Sciences), Kyoto University

