

## **DNA damage and repair**

Chair: T. Douki (Grenoble, FRA)

### **Invited Lectures:**

#### **Base stacking and base pairing effects on electronic energy relaxation in DNA**

C.E. Crespo-Hernández, B. Cohen, B. Kohler (Columbus OH, USA)

#### **Formation and repair of bipyrimidine photoproducts in mammalian cells exposed to UVB and UVA radiations**

T. Douki<sup>1</sup>, S. Courdavault<sup>1</sup>, E. Sage<sup>2</sup>, C. Baudouin<sup>3</sup>, M. Charveron<sup>3</sup>, A. Favier<sup>1</sup>, J. Cadet<sup>1</sup> (<sup>1</sup>Grenoble, FRA; <sup>2</sup>Paris, FRA; <sup>3</sup>Toulouse, FRA)

#### **Potential role of oxidative DNA damage and repair in the development of malignant melanoma**

S. Hoffmann-Dörr<sup>1</sup>, W. Eiberger<sup>1</sup>, R. Greinert<sup>2</sup>, B. Volkmer<sup>2</sup>, T.M. Rüniger<sup>3</sup>, J.P. Radicella<sup>4</sup>, B. Epe<sup>1</sup> (<sup>1</sup>Mainz, GER; <sup>2</sup>Buxtehude, GER; <sup>3</sup>Boston MA, USA; <sup>4</sup>Fontenay-aux-Roses, FRA)

#### **Mechanisms of DNA damage induced inhibition of transcription**

M. Fousteri, D. Arokx, A. Avanzeeland, L. H.F. Mullenders (Leiden, NED)

### **Oral Presentations:**

#### **Photochemistry of 5-Halouracil containing DNA**

Y. Xu, H. Sugiyama (Kyoto, JPN)

#### **UVB-induced CPD-retaining cells in SKH1-hairless mice are BrdU-retaining stem cells which are NER-proficient**

J.G.W. Nijhof<sup>1</sup>, C. van Pelt<sup>1</sup>, D.L. Mitchell<sup>2</sup>, W. van Ewijk<sup>1</sup>, R. Willemze<sup>1</sup>, L.H.F. Mullenders<sup>1</sup>, F.R. de Gruijl<sup>1</sup> (<sup>1</sup>Leiden, NED; <sup>2</sup>Smithville TX, USA)

#### **Daily UVB exposure stimulates the global nucleotide excision repair of cyclobutane pyrimidine dimers**

N. Bastien, P.J. Rochette, R. Drouin (Sherbrooke, CAN)