

# Cellular response to solar UV

Chair: E. Sage (Paris, FRA)

## Invited Lectures:

### UVA modulation of iron and heme homeostasis – a crucial role for heme oxygenase

R.M. Tyrrell, G. Edwards, C. Raval, S. A. Mitchell (Bath, GBR)

### Role of cell cycle checkpoint proteins in UVA-induced S-phase arrest in mammalian cells

P.-M. Girard, F. Delacôte, E. Sage (Orsay, FRA)

### UV responses in NER-deficient mouse keratinocyte cultures

G.J. Stout<sup>1</sup>, J. de Wit<sup>2</sup>, J.R. Mitchell<sup>2</sup>, J.H.J. Hoeijmakers<sup>2</sup>, F.R. de Gruijl<sup>1</sup>, L.H.F. Mullenders<sup>1</sup>, C. Backendorf<sup>1</sup> (<sup>1</sup>Leiden, NED; <sup>2</sup>Rotterdam, NED)

### Mono-ubiquitination of PCNA: a key modification for the polymerase switch after UV irradiation in human cells

P. Kannouche (Villejuif, FRA)

## Oral Presentations:

### RhoB up-regulation induced by UVB controls survival response of human keratinocytes

B. Canguilhem, A. Pradines, C. Baudouin, C. Bobby, I. Lajoie-Mazenc, M. Charveron, G. Favre (Toulouse, FRA)

### Overexpression of phospholipid hydroperoxide glutathione peroxidase in human dermal fibroblasts abrogates uva irradiation-induced expression of interstitial collagenase/matrix-metalloproteinase-1 by suppression of phosphatidylcholine hydroperoxide-mediated NFκB activation and interleukin-6 release

S. Sulyok<sup>1</sup>, J. Wenk<sup>2</sup>, J. Schüller<sup>1,2</sup>, C. Hinrichs<sup>1,2</sup>, T. Syrovets<sup>1</sup>, N. Azoitei<sup>1</sup>, M. Podda<sup>3</sup>, T. Wirth<sup>1</sup>, T. Simmet<sup>1</sup>, K. Scharffetter-Kochanek<sup>1,2</sup> (<sup>1</sup>Ulm, GER; <sup>2</sup>Cologne, GER; <sup>3</sup>Frankfurt, GER)

### UVB induced sunburn cell formation of human keratinocytes is mediated through the Ask-1-p38MAPK cascade

A. Van Laethem, M. Garmyn, P. Agostinis (Leuven, BEL)