

Photoimmunology

Chair: J. Krutmann (Duesseldorf, GER)

Invited Lectures:

UVB and UVA wavelengths target different skin compartments: implications for photo-immunology

F. Bernerd (Clichy , FRA)

A role for Platelet Activating Factor receptor binding in UV-induced immune suppression and skin cancer induction

S.E. Ullrich (Houston TX, USA)

The osmolyte taurine plays a critical role in ultraviolet B radiation-induced immunosuppression

N. Schade¹, C. Esser¹, I. Felsner¹, U. Warskulat¹, A. Schwarz², T. Schwarz², S. Grether-Beck¹, D. Häussinger¹, J. Krutmann¹ (¹Duesseldorf, GER; ²Kiel, GER)

UVA induced immunosuppression

D. Moyal, A. Fourtanier (Clichy, FRA)

Oral Presentations:

UV-A-induced immunosuppression plays a role in UV-A induced melanoma metastasis in mice

R. Pastila, L. Ylianttila, D. Leszczynski (Helsinki, FIN)

5-HT2 blockage prevents psoralen+UVA (PUVA)-induced suppression of delayed hypersensitivity

P. Wolf^{1,2}, D.X. Nghiem², J.P. Walterscheid², H.N. Ananthaswamy², S.E. Ullrich² (¹Graz, AUT; ²Houston TX, USA)

Ultraviolet radiation-induced immunosuppression in humans is prevented by topical nicotinamide (vitamin B₃) and is greater in men than women

C.R. Patterson, G.M. Halliday, R.Stc. Barnetson, D.L. Damian (Sydney, AUS)

DX5+ NKT cells from UV-irradiated mice regulate tumor immunity by suppressing CLT activity

N.M. Khaskhely, Y. Matsuzaki, Y. Miyahara, N. Kazimi, S. Byrne, S.E. Ullrich (Houston TX, USA)

Molecular changes in skin induced by exposure to different doses of ultraviolet A radiation

M.P.F. Stapelberg, R.B.H. Williams, S.N. Byrne, G.M. Halliday (Sydney, AUS)

Photoimmunoprotection by UVA radiation is determined by UVA dose and is dependent on cutaneous cyclic guanosine monophosphate (cGMP)

V.E. Reeve, M. Allanson (Sydney, AUS)