

## Public consultation

### Preliminary opinion on

biological effects of ultraviolet radiation relevant to health with particular reference to sunbeds for cosmetic purposes

Fields marked with \* are mandatory.

**A public hearing aiming to complement the public consultation to gather specific comments, suggestions and explanations or contributions on the scientific basis of the Opinion will take place on 12 April 2016 in Luxembourg. You can [register on this page](#)**

### Personal information

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## Chapter/section

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If you have comments on different chapters/sections, please select the chapter, add your comment, and submit your comments separately. Please also upload the scientific papers you consider relevant for that section/chapter. Repeat this operation for each chapter you would like to comment on. After sending a comment, it will be indicated if it has been sent successfully and you will be able to enter your next comment.

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7.1.2 Immunosuppression



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P32/35-41: "One of the mechanisms is via the immunologically important T lymphocytic cells: besides the reduced activation of effector and memory T cells, UV irradiation also activates the regulatory T and B cells (Schwarz 2008, Halliday 2012). Exposure to UV upregulates several other factors involved in immunosuppression, e.g.. TNF and the cytokines IL-10 and IL-33; this may explain that the suppressive effects of UV on skin immune status occur in the UVB as well as in the UVA range whereby the mechanisms may be different for UVA and UVB (Halliday 2012)."

The effect of UV is not immunosuppressive, but immunomodulative: Some cell lines are suppressed, others are stimulated, which can be taken from the phrases cited above. Such reaction forms suggest that there is an underlying reason for the reaction of the organism. Adaptation to a stimulus and not mechanistic damage-only reaction. (1.pdf)

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### **Background Documents**

Preliminary Opinion (/eusurvey/files/b46bc49e-5299-4623-a79f-a4ad03c55911)

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### **Contact**

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