

Sunscreen Workshop

Tuesday 7th September 2021, 14.00 – 16.00

The health benefits of sunscreens are established. If used correctly, they can prevent DNA photodamage and sunburn, and there are data that show that regular sunscreen use can inhibit skin cancer and photoageing. However, there is evidence that laboratory testing may overestimate sun protection factor (SPF) and increasing concern that sunscreens may have adverse effects on health such as systemic toxicity and inhibition of vitamin D synthesis. There has been much recent media coverage on sunscreen ecotoxicity and the search for natural alternatives. This workshop will explore some of these concerns and their possible solutions.

Sunscreen Workshop Programme

Introduction will be 5 mins. Each speaker will have 17 mins for presentation allowing 13 mins for discussion at the end.

1. **Antony Young** Introduction by chair and aims of workshop
2. **Curtis Cole & Shaun Hughes** Sunscreen SPFs - Indoors or Outdoors?
3. **Uli Osterwalder** How well should sunscreens protect against visible light?
4. **Christian Surber** Nano is Big! Issues and challenges with nanoparticulate UV-filters
5. **Yasmine Watkins** UV Filters as a potential threat to coral reef ecosystems: What are the big questions?
6. **Karl Lawrence** Mycosporine-like amino acids - biocompatible sunscreens from nature?
7. **Antony R Young** The effect of sunscreens on vitamin D synthesis
8. Discussion