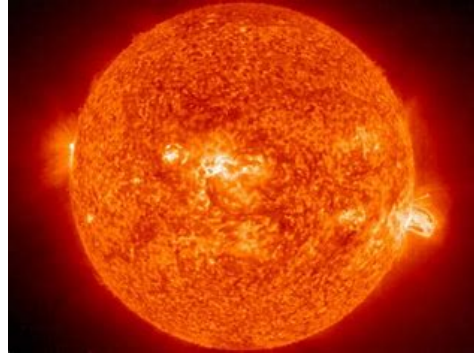


Weller Group

Ultraviolet Radiation and Systemic Health

Epidemiology

All cause mortality
Cardiovascular disease
COVID



Mechanism

UV and Nitric Oxide mobilisation from skin
Action spectrum and dose dependency
Immunological effects
Cardiovascular effects

Intervention studies

Phototherapy and Blood Pressure

Ultraviolet Radiation and Systemic Health / Eczema

Eczema

Immunology

PGE2-IL22 pathway in eczema
Fillagrin deficiency and antigen presentation

Barrier

Anti protease actions of HBD2 in maintaining skin barrier function

Clinical

Translational studies and registry studies linking the clinical eczema service with laboratory science