PROGRAMME:

15th April:
Arrival and registration
17:00 Welcome from Local Organisers and President followed by informal welcome party with warm meal.

16th April:
Session 1: Molecular aspects of UV-B responses
9:00 to 10:20
09.00-09.05 Chair's introduction. Chair: Gareth I. Jenkins
09.05-19.35 25 min + 5 min questions. Invited speaker: Keara Franklin. UV-B control of plant architecture.
09.35-09.55 15 min + 5 min questions. Aranzazu Díaz-Ramos, Andrew O'Hara, Selvaraju Kanagarajan, Daniel Farkas, Åke Strid and Gareth I. Jenkins. Photoreception by UVR8 in Arabidopsis plants.
09.55-10.10 12 min + 3 min questions. Marie-Theres Hauser, Lisi Xie, Julia Richter, Karolina Słomińska, Lukas Zeh, Serap Afsar, Neha Nigam and Christina Lang-Mladek. Role of the ARIADNE12 ubiquitin E3 ligase and its putative substrate in long term adaptation to UV-B.
10.10-10.20 Discussion led by chair

Tea/coffee 10:20 to 11:00

Session 2: Biochemical aspects of UV-B responses
11:00 to 12:20
11.00-11.05 Chair's introduction. Chair: Éva Hideg
11.05-11.35 25 min + 5 min questions. Invited speaker: Åke Strid
11.35-11.55 15 min + 5 min questions. Neha Rai, Yan Yan, Sari Siipola, Susanne Neugart, Andreas Albert, Barbro Winkler, Luis Morales and Pedro Aphalo. UVR8 and CRYs regulate growth, transcripts and metabolites in Arabidopsis plants exposed to short-term (6h) and long-term (21d) UV and blue radiation.
11.55-12.10 12 min + 3 min questions. Gyula Czégény, László Körösi, Åke Strid and Éva Hideg. Amended synthesis of vitamin B6 causes altered antioxidant responses to supplemental UV-B in Arabidopsis thaliana.
12.10-12.20 Discussion led by chair

12:20 to 12:40 10x 2 min poster pitches Chair: Matthew Robson
12:40 to 14:00 Buffet lunch and posters

Session 3: Physiological aspects of UV-B responses
14:00 to 15:20
14.00-14.05 Chair’s introduction. Chair: Marcel Jansen
14.35-14.55 15 min + 5 min questions. Neha Rai, Alexey Shapiguzov, Sari Siipola, Fang Wang, Mikael Brosché, Pedro Aphalo and Luis O. Morales. UVR8 and cryptochromes promote sunlight acclimation in Arabidopsis thaliana
14.55-15.10 12 min + 3 min questions. Susanne Neugart, Mark Tobler and Paul Barnes. The interlink of UV transmittance and flavonoids in okra driven by diurnal changes.
15.10-15.20 Discussion led by chair

Tea/coffee 15:20 to 16:00

Session 4: Interaction between UV-B and other factors
16:00 to 17:20
16.00-16.05 Chair’s introduction. Chair: Alenka Gaberščik
16.05-16.35 25 min + 5 min questions. Invited speaker: Dr Marcel Jansen
16.35-16.55 15 min + 5 min questions. Tania Rodríguez-Calzada, Minjie Qian, Åke Strid, Susanne Neugart, Susanne Baldermann, Monika Schreiner, Irineo Torres-Pacheco and Ramon G. Guevara-González. Effect of UV-B radiation on performance, flavonoids production and gene expression associated to stress response in chili pepper (Capsicum annuum L.).
17.10-17.20 Discussion led by chair

17:20 to 17:40 10x 2 min poster pitches Chair: Gareth Jenkins

17:40 to ~19:00 Poster session (with light snacks)
17th April:

Session 5: Ecology

9:00 to 10:20

09.00-09.05 Chair’s introduction. Chair: Matthew Robson

09.05-19.35 25 min + 5 min questions. Invited speaker: Dr Paul Barnes (Heather L. Throop, Steven R. Archer and Paul W. Barnes). Understanding the role of photodegradation as a driver of litter decomposition in drylands now and in the future.

09.35-09.55 15 min + 5 min questions. Craig Brelsford, Marieke Trasser and T. Matthew Robson. The effects of blue light and UV radiation on spring and autumn phenology in understorey seedlings of Acer platanoides.

09.55-10.10 12 min + 3 min questions. Sedej Trošt, Tina Erznožnik Tadeja and Rovtar Jerneja. Saxifraga hostii response to modified UV-B regime at two altitudes in the Julian Alps.

10:10-10.20 Discussion led by chair

Tea/coffee 10:20 to 11:00

Session 6: Evolutionary aspects

11:00 to 12:20

11.00-11.05 Chair’s introduction. Chair: Mateja Germ

11.05-11.35 25 min + 5 min questions. Invited speaker: Dr Javier Martínez-Abaigar. Was UV radiation tolerance the key evolutionary factor allowing plants to colonize land?

11.35-11.55 15 min + 5 min questions. Frauke Pescheck and Wolfgang Bilger. Photoreactivation in green macroalgae.

11.55-12.10 12 min + 3 min questions. Maria Hock, Rainer W. Hofmann, Caroline Müller and Alexandra Erfmeier. Plant invasions in high UV-B environments - Evidence for local adaptation of exotic species in New Zealand?

12.10-12.20 Discussion led by chair

12:20 to 12:40 10x 2 min poster pitches Chair: Marie-Theres Hauser

12:40 to 14:00 Buffet lunch and posters

14:00 to 15:20 Discussions (2 groups): Current challenges in plant UV research Chair: Matthew Robson
Tea/coffee 15:20 to 16:00

16:00 Conference photo

16:15 to 17:15 AGM of UV4Plants

17.30 to 18.00 Lecture in honour of Dr Lars Olof Björn.
Microorganisms in the atmosphere: Impact of ultraviolet radiation.
Chairs Gareth Jenkins and Alenka Gaberščik

19:00 Conference dinner

18th April:
Session 7:
Application of knowledge
9:00 to 10:20
09.00-09.05 Chair’s introduction. Chair: Susanne Neugart
09.05-19.25 15 min + 5 min questions Minjie Qian, Irina Kalbina, Eva Rosenqvist, Marcel A.K. Jansen and Åke Strid. UV-A and UV-B radiation differentially regulate morphological features, flavonoid content, phenylpropanoid biosynthesis gene expression, and yield in cucumber (Cucumis sativus L.)
09.25-09.40 12 min + 3 min questions Santin M., Lucini L., Castagna A., Rocchetti G., Hauser M-T. and Ranieri A. Biochemical and molecular insights in UV-B-driven changes in phenolics profile of peach fruit.
09.40-09.55 12 min + 3 min questions Phillip Davis. Using UV light to control mildew in commercial horticulture crops (UV Robot).
09.55-10.10 12 min + 3 min questions Titta Kotilainen, R. Hernández and T. Matthew Robson. Light quality characterization under climate screens and shade nets for controlled environment agriculture.
10.10-10.20 Discussion led by chair

Tea/coffee 10:20 to 11:00

11:00 to 12:00 Summary of group discussions and final conference discussion. Chair: Matthew Robson

12:00 to 12:15 Closure of meeting
12:15 Sandwich lunch for Afternoon Excursion