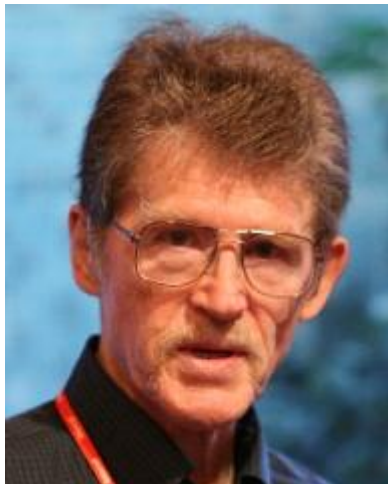


## Curriculum Vitae



### Peter H. Quail

**Peter H. Quail**, B.Sc., Ph.D., is Professor of Plant and Microbial Biology, University of California, Berkeley, and Research Director, ARS/UCB Plant Gene Expression Center, Albany, California. He is a recipient of the American Society of Photobiologists Research Award, the LI-COR Award for Distinguished Contributions to Photochemistry/Photobiology, Corresponding Membership of the Australian Society of Plant Physiologists, recipient of ISI award for top 15 most highly cited authors in the Plant & Animal Science discipline, Fellow of the American Association for the Advancement of Science, recipient of the Stephen Hales Award from the American Society of Plant Biologists and a Member of the U.S. National Academy of Sciences. His research is focused on defining the molecular mechanism by which the phytochrome (phy) family of plant sensory photoreceptors controls gene expression, and thereby plant growth and development, in response to informational light-signals from the environment. His laboratory has provided evidence that the signalling mechanism involves rapid, direct, intranuclear interaction of the light-activated photoreceptor molecule with a sub-family of basic helix-loop-helix (bHLH) transcription factors (called PIFs), with resultant induction of phosphorylation of the PIF proteins, as a prelude to degradation of the bHLH factors and consequent gene-expression changes.

#### Speaker at:

#### **INTERPLAY OF LIGHT, PHOTOPERIODISM AND CIRCADIAN CLOCK FUNCTION IN PLANT DEVELOPMENT**

May, 4<sup>th</sup>-6<sup>th</sup>, 2011, Barcelona

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