A Recent research report at UC Davis suggests that climate change will have negative impacts on the agriculture and wildlife across California. In a similar way to the urban environment of Sacramento becoming similar to Phoenix, agriculture will be threatened by high temperatures, reduced seasonality, reduced water availability, more atmospheric carbon dioxide and increased air pollution and threat of fire. This talk will identify the top five threats to future Californian agriculture and wilderness with some indication of mitigation strategies and the possibility to adapt to this changing climate.

Professor Gail Taylor moved from the UK in 2017 to become Chair of the Department of Plant Sciences, UC Davis, routinely voted #1, globally for Plant and Animal Science and Agriculture. A senior academic with a global reputation in Plant and Sustainability Sciences, her research moves from molecular plant biotechnology through to ecosystem functioning. She is currently focused on molecular breeding approaches in high value leafy greens such as watercress and aromatic herbs grown in indoor vertical agricultural systems, alongside her research on sustainable bioenergy systems. Prior to Davis, Gail held a Chair at University of Southampton, UK and before that, posts at University of Sussex and Imperial College London. She is one of only ten Botanists that are The Annals of Botany Company, A Trust that owns and manages four scientific journals in support of Plant Sciences.