

## **White biotech as a green technology**

David Lyon or David Hampton

Pheida AG, Platz 4, 6039 Root D4, Switzerland  
*david.lyon@pheida.com*

The value of biotech is increasingly recognized in many industries including, obviously, healthcare, but also food technologies and synthetic materials. Biotechnology also has the potential for a critical role in addressing the pressing global environmental challenges such as achieving Net Zero, the efficient use of natural resources, and reducing or remediating pollution to air, land and water. Some progress has been made in areas such as biomanufacturing and, water treatment but, despite the increased interest in nature-based solutions, the real potential of biotech is still to be realized.

By drawing on their personal experience as well as examples from peers and insights from two decades of experience working on sustainability, the talk will highlight examples of:

- the current and future potential of biotech to address intractable environmental problems.
- the economic as well as environmental benefits of biotech solutions; and,
- the barriers to widescale adoption of biotech as an environmental solution

The talk will conclude with a number of solutions to the challenges and explore the opportunities for future developments, especially in Switzerland.

As Richard Fuller once said: "Pollution is nothing but resources we're not harvesting. We allow them to disperse because we've been ignorant of their value." Biological technologies play a critical role in addressing this within chemical industries.