

Invitation to the Keynote Lecture Faculty of Biology

Prof. Dr. Christine Lang

TU Berlin and Foundation Biobased Future, Berlin, Germany

Microbiology from Research to Products – Tapping into the Potential of Probiotics and Microbiome Interactions

Abstract:

What do you do when you've studied biology and then come to love yeasts while working in the laboratory of a future Nobel laureate? My career path led me into industrial and academic research on synthetic biology using yeasts and strain development involving yeasts and lactic acid bacteria. Over the years, our research has identified and utilised numerous bacteria and yeasts for bio-based products and processes. This has laid the foundations for today's microbiome-based skincare products, as well as biobased active ingredients that combat tooth decay, *Helicobacter pylori*, bacterial throat infections, and multi-drug-resistant bacteria (MRSA). Additionally, we researched and developed microbial processes for producing chemical building blocks and complex compounds. During this time, I worked at the Technical University of Berlin and then at my own companies, most notably Organobalance. I will discuss the key steps I took along this path, and finally how we as researchers can influence public debate.

Thursday, 03 September 2026 at 2 pm

Host: Prof. Dr. Ralf Heermann

The keynote lecture will be presented at the
BioZentrum 2, SR 9, Hanns-Dieter-Hüsch-Weg 17, 3rd floor