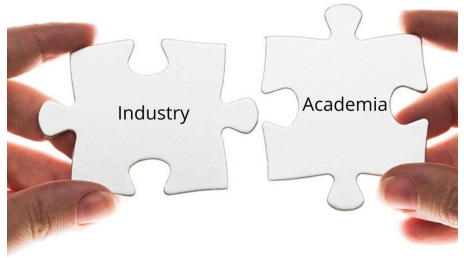
Vereinigung für
Allgemeine und
Angewandte
Mikrobiologie




# 12. VAAM Industry-Academia Panel

21.03.2024, 4 pm, online via Zoom

## *Towards a sustainable future: the biotech raw materials perspective*

### Dr. David Virant, Head of Industrial Biotechnology, Acies Bio, Ljubliana, Slowenien

***Synthetic biology approaches to enable a methanol bioeconomy***

The prevailing industrial reliance on fossil-based feedstocks for chemical production is unsustainable due to the finite nature of these resources and environmental concerns. Biotechnology offers an alternative through plant-based feedstocks, but this competes with land needed for food production. Methanol, a single-carbon feedstock with the potential for renewable production, is a promising alternative feedstock. To address this opportunity, Acies Bio is developing microorganisms capable of converting methanol into various valuable chemicals. .

****

### Prof. Dr. Volker Wendisch, Dept. of Genetics of Procaryotes, Universität Bielefeld

***Sustainable production of amines from sidestreams***

* Establishing access to sidestreams of various industries for biotechnology will prove crucial to achieve SDGs
* Metabolic engineering of *Corynebacterium glutamicum* enabled the flexible feedstock concept for fermentative production
* Biotechnological production of amine chemicals is key to utilize the nitro**gen** fraction of aqua- and agro-sidestreams