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## Prof Kimberly Kline

University of Geneva



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Meeting ID: 978 3311 8282  
Passcode: 970105

**Tuesday, 31 May 2022**  
4:00pm to 5:00pm (SGT)



Webinar is open to all  
No registration required

### Polymicrobial Interactions and Pathogenic Mechanisms of *Enterococcus faecalis* Biofilm-Associated Wound Infection

The Gram-positive Enterococci are commensal inhabitants of the gastrointestinal tract, as well as opportunistic pathogens associated with endocarditis, urinary tract infections, and wound infection. Many Enterococcal infections are difficult to treat due to their multi-drug resistance, association with bacterial biofilms, and polymicrobial nature. The goal of our research is to understand the molecular mechanisms by which *Enterococcus faecalis* interacts with other bacterial species, such as *Staphylococcus aureus* and *Escherichia coli*, and the host in the context of these polymicrobial, biofilm-associated infections. In this talk, I will share our most recent mechanistic discoveries of synergy and antagonism between these frequently co-isolated bacterial species and the impact of these interactions on biofilm-associated wound infection outcomes.

**Professor Kimberly Kline** is a Professor in the Department of Microbiology and Molecular Medicine at the University of Geneva in Switzerland. From 2011-2022, she was a Professor in the School of Biological Sciences at NTU and a Principal Investigator at the Singapore Centre for Environmental Life Sciences Engineering (SCELSE), a research institute dedicated to the study of microbial communities and microbiomes. Kimberly received an MPH in Biostatistics and Epidemiology and a PhD in Microbiology and Immunology from Northwestern University and completed postdoctoral training at Washington University in St. Louis and at the Karolinska Institute in Stockholm Sweden.

Kimberly has received multiple awards for her contributions to the field of microbiology, including a NIH K99 Career Development Award in 2011, the Singapore National Research Foundation Fellowship in 2011, the ICAAC Young Investigator Award from the American Society of Microbiology in 2014, and the Nanyang Education Award in 2017.

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