



3rd Symposium for Emerging Viral Diseases

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Tanja Stadler :

“Wastewater-based Infectious Disease Surveillance”



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Tanja Stadler is a Full Professor at the Department of Biosystems Science and Engineering of the Swiss Federal Institute of Technology (ETH Zürich) in Basel. Further, Tanja was president of the [external page Swiss National COVID-19 Science Task Force call made](#) advising the Swiss government from August 2021 until its termination in March 2022. Tanja studied Applied Mathematics at the Technical University of Munich (Germany), the University of Cardiff (UK), and the University of Canterbury (New Zealand). She obtained a Master degree in 2006 and a PhD in 2008 from the Technical University of Munich (with Prof. Anusch Taraz and Prof. Mike Steel). Tanja then joined ETH Zürich as a postdoctoral researcher with Prof. Sebastian Bonhoeffer in the Department of Environmental Systems Sciences, and was promoted to Group Leader in 2011. In 2014, she moved to the Department of Biosystems Science and Engineering as an Assistant Professor where she obtained tenure in 2017 and was promoted to a Full Professor in 2021. Her work is at the interface of mathematics, computer science, evolution, ecology and infectious diseases. In particular, she develops phylogenetic tools to address epidemiological and medical questions, as well as questions in the fields of ecology, species evolution, cell differentiation and language evolution. Her honors include the TUM PhD award 2008, the John Maynard Smith prize 2012, the ETH Latsis prize 2013, the Zonta prize 2013, the ETH Golden Owl for teaching in 2016, the SMBE Mid-Career Excellence Award 2021, the Carus Medal 2021, and the Roessler prize 2022. In 2013, Tanja received an ERC starting grant. In 2020, Tanja received an ERC consolidator grant.