

Sensing in Wastewater Based Epidemiology

9 March 2022
Webinar

Wastewater-based epidemiology has been used hugely within the Coronavirus pandemic to give forewarning of outbreaks and in public health engineering. As the world adjusts to a new normal there is a need for continued vigilance in regard to the “next variant” or the “next pandemic.” This is the role that wastewater-based epidemiology holds in the future.

In this webinar of Sensing in wastewater-based epidemiology we look at the importance of the surveillance techniques and how we can use modern sensing technology to act as a method of forewarning for the next potential public health crisis.

Chair: Oliver Grievson, Z Tech Control Systems

- 13:00 Introduction by the Chairman. **Oliver Grievson, Z Tech Control Systems**
- 13:10 The importance of wastewater-based epidemiology in public health monitoring. **Matthew Wade, UK Health Security Agency**
- 13:30 Origami-paper sensors for rapid and on-site wastewater surveillance. **Zhugen Yang, Cranfield University**
- 13:50 COVID-19 and Beyond: Emerging Technologies for WBE. **Helena Steeves, Luminultra**
- 14:15 The use of analytics in wastewater-based epidemiology to assist public health decision making. **Jacobo Illueca, Idrica**
- 14:40 Enhancing near-source sewage surveillance with population dynamics. **Chris Sweetapple, University of Exeter**
- 15:05 One-Step SARS-CoV-2 Wastewater Testing-“A Danaher Collaboration Solves Key Challenges faced with Wastewater Based Epidemiology (WBE).” **Jim Harbridge - Hach**
- 15:40 Discussion**
- 16:00 Close**

REGISTRATION: The rate for SWIG Member is £30, non members registration is £65 and for students, £26 unless their institution has SWIG membership. Registrations can be made by Tel 01934 830658 or to rosa.richards@swig.org.uk or using the [on-line booking form](#).
Cancellation policy: Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.