



Seminar: Tuesday Dec. 04, 10.00-11.00 AM
Building 113/Rm 011

Application of DNA Based Technologies for Bioaerosol Source Tracking and Disinfection

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Abstract:

Biological aerosols (bioaerosols) in the atmosphere and indoor environments have important environmental and health implications. Aerosol transmission is a key mode of transport for some of the world's most contagious diseases, such as tuberculosis, SARS, and influenza, among others. Bioaerosols are also associated with noninfectious diseases, such as hypersensitivity, allergies, and asthma. In addition to negatively impacting human health, bioaerosols also have significant economic implications in agriculture. Hoof and mouth disease, circle virus, and avian influenza are transmitted via aerosols. Despite their health and economic impacts, bioaerosols remain poorly understood. I will discuss reasons for the current bioaerosol knowledge gap; how molecular analysis can expand our understanding of bioaerosols as well as aid in the assessment of public health risk; and how disinfection methods can be evaluated through molecular analysis.

For further information, contact the local host:
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