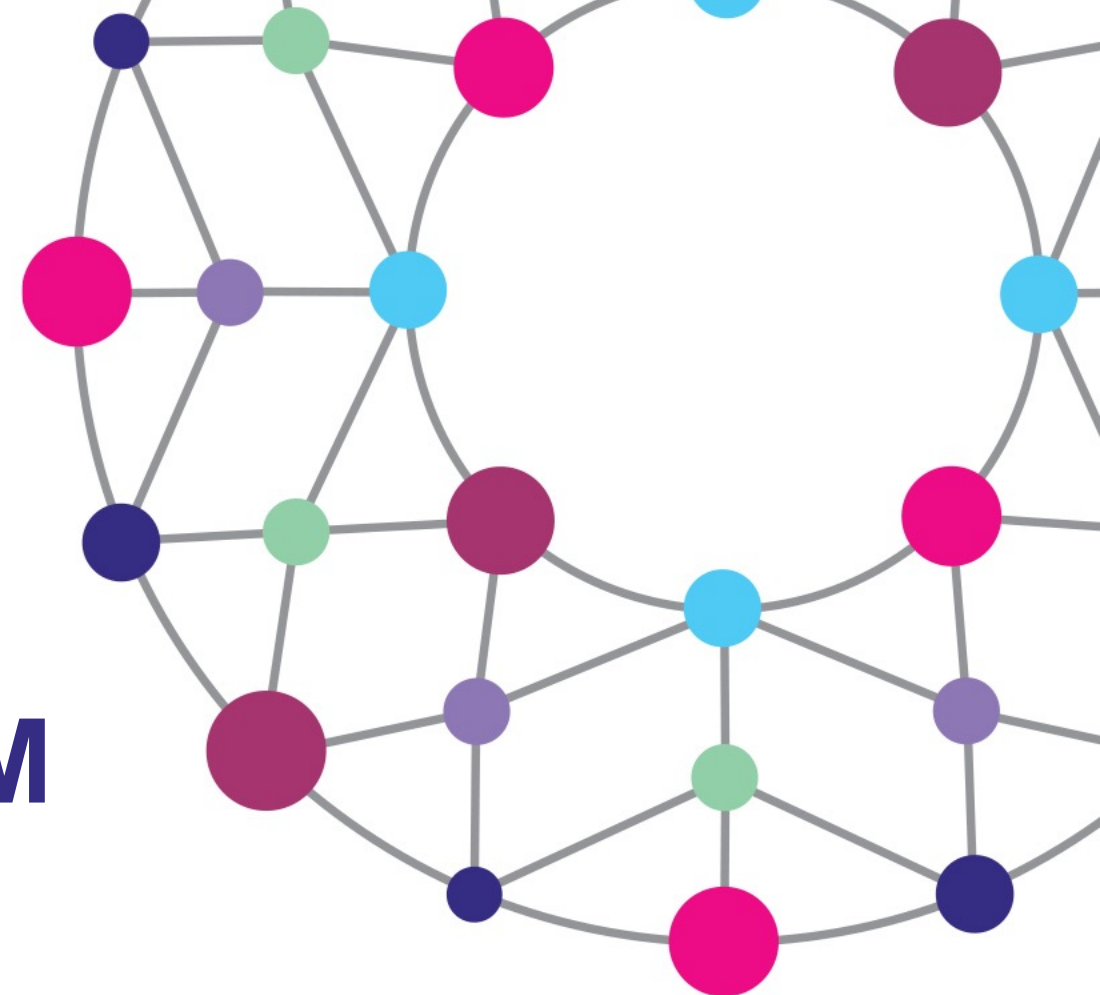




Detection and characterisation of biological material in PM



Nasir ZA, Tyrrel S, Colbeck I, Tian J, Yan C, Marczylo E, Douglas P, Whitby C, Ferguson RMW, Dumbrell AJ, Kinnersley R, Drew G, Bhui K, Lemon M, Mitchell A, Jackson S, Coulon F.





Understanding the role and impact of PM on public and planetary health requires information on;

- Spatio-temporal characteristics of biological materials in particulate matter (BioPM)
- Intra and inter BioPM interaction mechanisms
- Transformation processes under varying air pollutants and environmental factors across indoor - outdoor continuum

Current limitations in detection and characterisation of BioPM are key barriers to understanding the complex physico-chemical and biological matrix of PM.

Please come to my market stall to barter ideas on how advances in Single particle light- induced fluorescence can provide real time quantification and temporal characterisation of biological materials in PM.