

**Dr Tim Dallman**  
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Dr. Tim Dallman trained as a bioinformatician at University College London employing machine learning techniques to improve remote homology detection for the assignment of proteins into structural and functional families. Since joining Public Health England in 2007 he has led the development of several large-scale hybrid molecular typing and epidemiological databases before taking a post as the lead bioinformatician within the Gastrointestinal Bacteria Reference Unit (GBRU) in 2010.

Within GBRU he has built a team of scientists that manages the whole genome sequencing analysis. He has successfully overseen the validation and implementation of a WGS solution for *Salmonella*, *Escherichia coli*, *Shigella* and *Campylobacter* for typing, surveillance and antimicrobial resistance prediction. He has been involved in several next generation sequencing research projects with the focus on leveraging these technologies for public health molecular epidemiology and the translation of genomic data to molecular diagnostics and typing. He has led the bioinformatics analysis of several key enteric pathogen isolates for incident investigation at a national and European level. He has published more than 100 peer-reviewed publications with over 4000 citations.