

Simon Robert Bate

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Educational

Postgraduate (on-going)

MSc Emerging and neglected infectious diseases (distance learning)

University of Edinburgh (September 2009 – July 2012)

Dissertation: Aerosol survival of *Burkholderia pseudomallei*

Undergraduate

Upper second class BSc (Hons) Biological Science: Microbiology

University of Wales, Aberystwyth (September 2001 – July 2004)

Dissertation: Quorum Sensing and the population dependent control of bacterial phenotype

Employment

Health Protection Agency

Porton Down, Salisbury, SP4 0JG

Position: Aerobiologist (March 2008 – Present)

I provide operational Containment level 3 microbiology and scientific expertise to the project.

I undertake and report tasks to support biomedical investigations for NIAID projects, under the direction of the senior members of the project team.

I complete microbiological tasks including working in ACDP3 laboratories as part of the project team.

I provide scientific expertise to all other elements of the project.

I assist with the monitoring and maintenance of systems within the scope of the project.

I assist with *in vivo* as required.

I collect, collate and report routine data and information and provide data and information to assessments, analysis and interpretation of the project team's work.

Forensic Science Service

Trident Court, Birmingham, B37 7YN

Position: DNA Analyst (November 2007 – March 2008)

I contributed to the forensic science process by providing a high quality analytical service to meet the needs of the customer.

I processed samples and generated data for interpretation.

I interpreted and compiled data and communicated results to the customer as required

I carried out tasks to ensure the smooth running of the laboratory and equipment.

Transferable skills

- DNA extraction & Polymerase Chain Reaction
- Electrophoresis & DNA sequencing
- Containment level 3 microbiology to GLP standard
- Aerosol infection of small animals and Non-Human Primates
- Plethysmography
- *In vivo* modelling & radio-telemetry
- Home Office personal licence holder (modules 1-3)
- Scientific planning, reporting, oral presentation & use of statistical software

Publications

'Protective efficacy of orally administered levofloxacin against an inhalational *Bacillus anthracis* infection in BALB/c mice'

Oral and poster presentation, Aerobiology in Biodefence IV, Richmond, VA (2011)