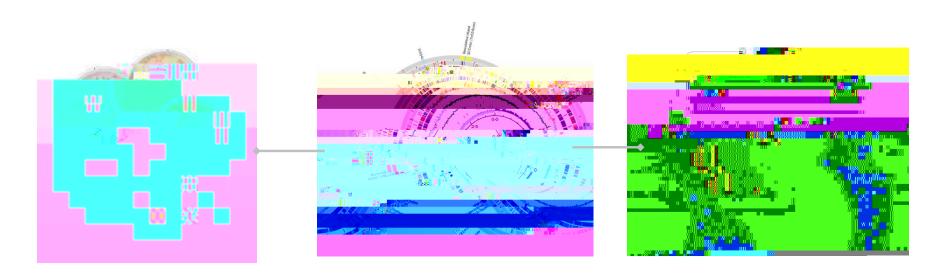
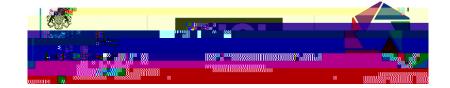
#### Sonic Healthcare UK



# Precision AMR Programme at HSL







# Laboratory Scientific Team

### Our Senior Laboratory Team



Dr Paul Grant

 Lead Clinical Scientist, Molecular Virology



Dr Jude Heaney

Lead Research Scientist, ADPL



Dr Alan Williams

 Lead Ginical Scientist, Molecular Microbiolog



Dr Vicky Enn

Senior Research Associate, UC



Dr Rehecca Gorton

Lead Clinical Scientist
Molecular Microbiolog



New Precision AMR Clinica





# Exemplar Projects at HSL

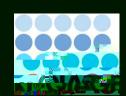


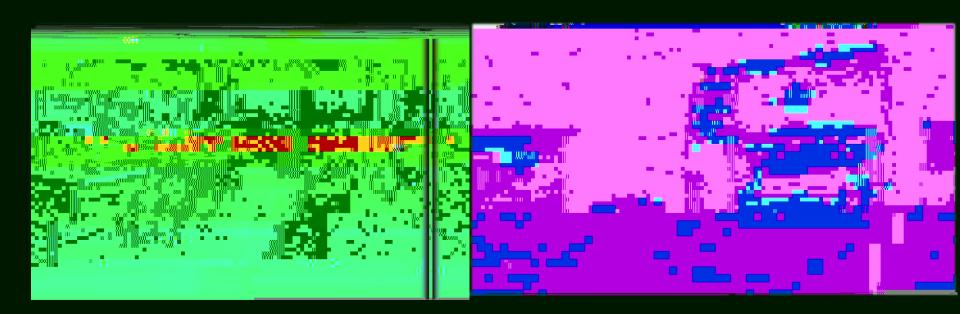


# Sequencing Technology & Capabilities

#### New Extraction Facilities

 Support for additional DNA/RNA extraction specifically within containment level 3.



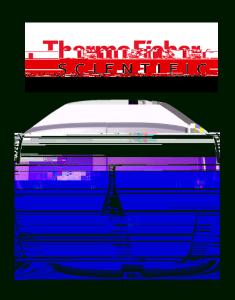






# Sequencing Technology & Capabilities

### New Sequencing Facilities



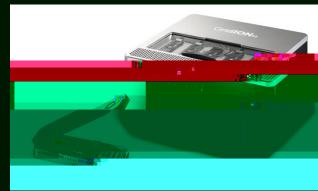
- Short-read
- Uni-directiona





- Short-read
- Bi-directional





- Long-read
- Real time data



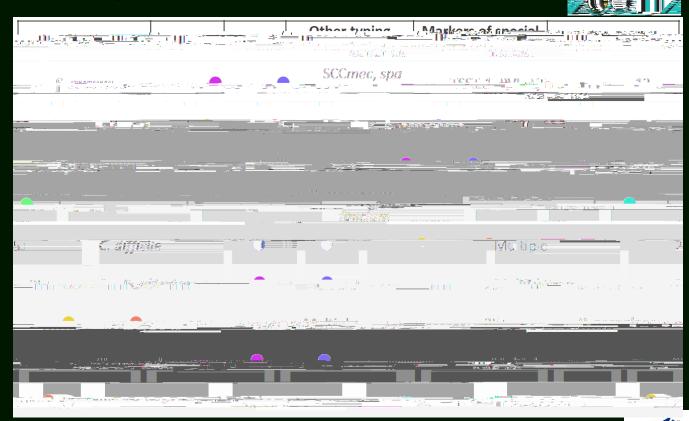






## Informatics Pipelines & Data Analysis

#### Validated Pathogens



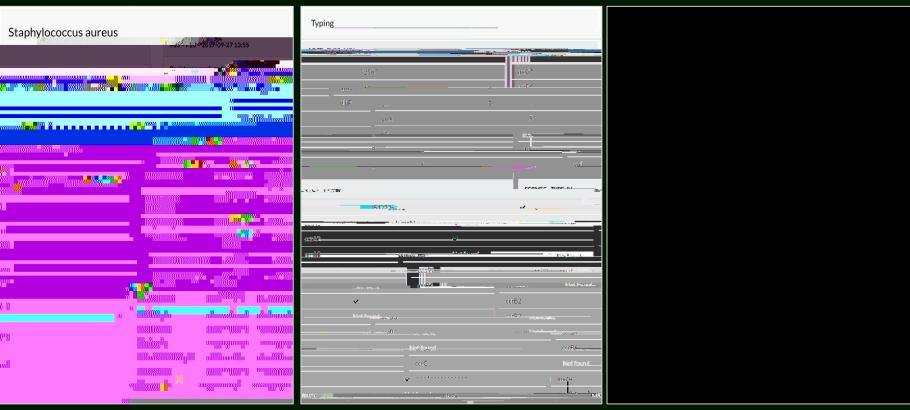


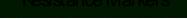


## 1928 Informatics Pipeline & Data Analysis

#### Reporting





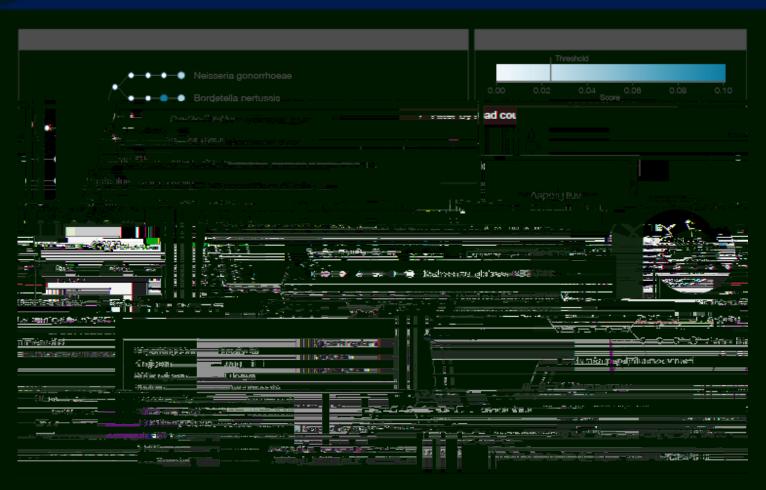








### Nanopore Informatics Pipeline & Data Analysis





WIMP report, shown for a sample containing bacteria, viruses and fung





### How to Access the Facility



- Email: <u>Precision-AMR@hslpathology.com</u>
- Email: apdu@nhs.net
- Website: www.hslpathology.com/research-development





# How to Access the Facility

