Abstract

The singularity of Pneumopath lies in its multi-faceted approach, its breadth of study of bacterial strains and of individual susceptibility and its computational analysis. The project comprised six distinct but overlapping scientific “workpackages” with different objectives.

Workpackage 1: study of molecular epidemiology and genetic characterization of antibiotic susceptible and resistant pneumococcal isolates.

Workpackage 2: study into the identification of new host loci conferring innate resistance in invasive pneumococcal disease.

Workpackage 3: definition of parameters of pneumococcal infection in the animal host.

Workpackage 4: a study into the definition of parameters of pneumococcal infection in in vitro cell culture models.

Workpackage 5: a study of the features of the central metabolism of Steptococcus pneumoniae.
Workpackage 6: the development of a shared data repository and dedicated data processing facilities for the subsequent analysis of project data.

Mission

The aim of the project was to comprehensively study the host-pathogen interactions during infection of Streptococcus pneumoniae with the objective of finding new targets for diagnosis and treatment. It built on the existing expertise gained by the project partners and on the knowledge gained through previous EU-funded research in earlier framework programmes, namely PREVIS, LMTOCHE, PNEUMOPEP, and DRESP2.

Structure & Governance

The project was coordinated by the University of Leicester and managed by Professor Peter Andrew, Head of the Department of Infection, Immunity, and Inflammation.

Financing

The Pneumopath project is an EU-funded, health-themed, collaborative research project within the seventh framework programme

Data Sharing

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Impact/Accomplishment

To view publications acknowledging the Pneumopath Project, click here

Links/Social Media Feed

Homepage http://www2.le.ac.uk/projects/pneumopath

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