



Project code: NRPU-4269

Project Title : INVASIVE BURDEN OF DISEASE CAUSED BY  
STREPTOCOCCUS PNEUMONIA IN CHILDREN UNDER 5 YEARS OF  
DIFFERENT AREAS IN LAHORE, PAKISTAN

University/DAI  
logo

## PROJECT BRIEF

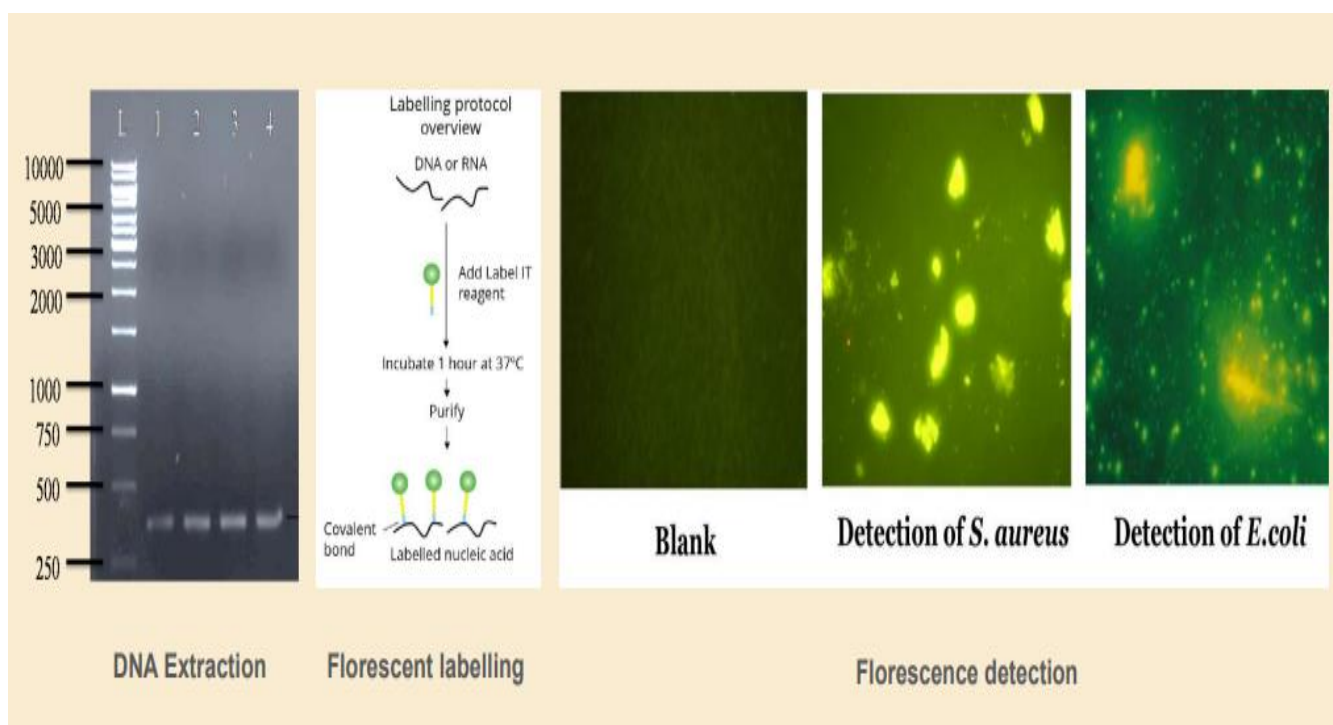
This study aims to determine the nasal colonization and antimicrobial susceptibility pattern of Staphylococcus species isolated from preschool children in Lahore, Pakistan.

## PROJECT OUTCOMES

Developing a biosensing platform based on our research for the rapid detection of Staphylococcal species to rule out infection. The biosensor is based on fluorescent detection of DNA/RNA of bacterial species. This biosensor will be beneficial for community use as it will reduce the cost of testing as compared to the traditional blood culture method. Results of samples can be obtained in a timely manner using this approach.

Research team produced 01 MS students with overall 02 national publications and 01 paper presentation in international conferences.

This project was started in 2016 and completed in 2019 with overall cost of Rs. 1.692800 Millions PKRs.



PI Name: abc  
PI Designation:  
University: xyz

PI Picture passport  
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