



LJMU Research Online

Rodrigues, T, Oliveira, ML, Soares-Schanoski, A, Chavez-Rico, S, Figueiredo, D, Gonçalves, V, Ferreira, D, Kunda, NK, Saleem, IY and Miyaji, E

Mucosal immunization with PspA (Pneumococcal surface protein A)-adsorbed nanoparticles targeting the lungs for protection against pneumococcal infection

<http://researchonline.ljmu.ac.uk/id/eprint/7950/>

Article

Citation (please note it is advisable to refer to the publisher's version if you intend to cite from this work)

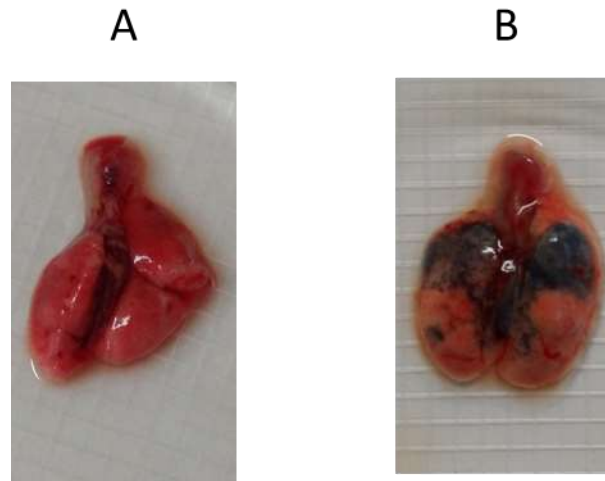
Rodrigues, T, Oliveira, ML, Soares-Schanoski, A, Chavez-Rico, S, Figueiredo, D, Gonçalves, V, Ferreira, D, Kunda, NK, Saleem, IY and Miyaji, E (2018) Mucosal immunization with PspA (Pneumococcal surface protein A)-adsorbed nanoparticles targeting the lungs for protection against

LJMU has developed **LJMU Research Online** for users to access the research output of the University more effectively. Copyright © and Moral Rights for the papers on this site are retained by the individual authors and/or other copyright owners. Users may download and/or print one copy of any article(s) in LJMU Research Online to facilitate their private study or for non-commercial research. You may not engage in further distribution of the material or use it for any profit-making activities or any commercial gain.

The version presented here may differ from the published version or from the version of the record. Please see the repository URL above for details on accessing the published version and note that access may require a subscription.

For more information please contact researchonline@ljmu.ac.uk

<http://researchonline.ljmu.ac.uk/>



S1 Fig. Distribution of dye after nasal instillation targeting the lungs. Lungs of a mouse after nasal instillation of 50 μ l of 0.05% Evans Blue under anesthesia (B). Lungs of a control mouse are also shown (A).