MSc by Research in Infection and Immunity 2013-2014

Adam Finn & Tom Gaunt

Effects of influenza vaccine viruses on microbiomics of upper respiratory tract in children

The interactions between respiratory viruses and upper respiratory tract bacteria is a research hot topic. Mechanisms have potential implications for transmission of infection and development of severe/invasive disease. As part of a translational research programme we are evaluating the impact of live attenuated intranasal influenza vaccine in healthy pre-school children on nasal bacterial colonisation. In this project, samples from this study will be evaluated for impact of vaccine on bacterial ecology using 16S ribosomal amplification and sequencing. It could turn out that viral vaccines can effectively prevent bacterial diseases.

Informal enquiries: Helen.Barr@bristol.ac.uk