Children developing asthma by school-age display aberrant immune responses to pathogenic airway bacteria as infants - DTU Orbit (31/12/2018)

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Asthma is a highly prevalent chronic lung disease that commonly originates in early childhood. Colonisation of neonatal airways with the pathogenic bacterial strains H. influenzae, M. catarrhalis and S. pneumoniae is associated with increased risk of later childhood asthma. We hypothesized that children developing asthma have an abnormal immune response to pathogenic bacteria in infancy. We aimed to assess the bacterial immune response in asymptomatic infants and the association with later development of asthma by age 7 years.

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