Periodontal diseases and systemic inflammation.

Severe periodontitis affects 10% of the population, and significantly compromises oral health, ability to chew, appearance, quality of life, and drives increased dental care costs. The economic impact of periodontitis and tooth loss is comparable with the 10 most frequent causes of death globally. The destruction of bone surrounding teeth in periodontitis is caused by an inappropriate immune response to the microbial biofilm. There is evidence this local inflammation has systemic consequences and there are links between oral health and general health. We seek to understand the immune response to the microbial biofilm, and how the immune response changes as this biofilm is targeted during periodontal treatment. This project is part of an Industrial PhD partnership and will include a clinical study. In addition to high quality generic skills training, the successful candidate will have the opportunity for postgraduate training in numerous laboratory techniques and experience in a clinical study, in a well-supported environment with state of the art facilities. This is a fully funded PhD with stipend available to the successful candidate. Please contact Shauna.culshaw@glasgow.ac.uk for further information, by August 30th 2017.