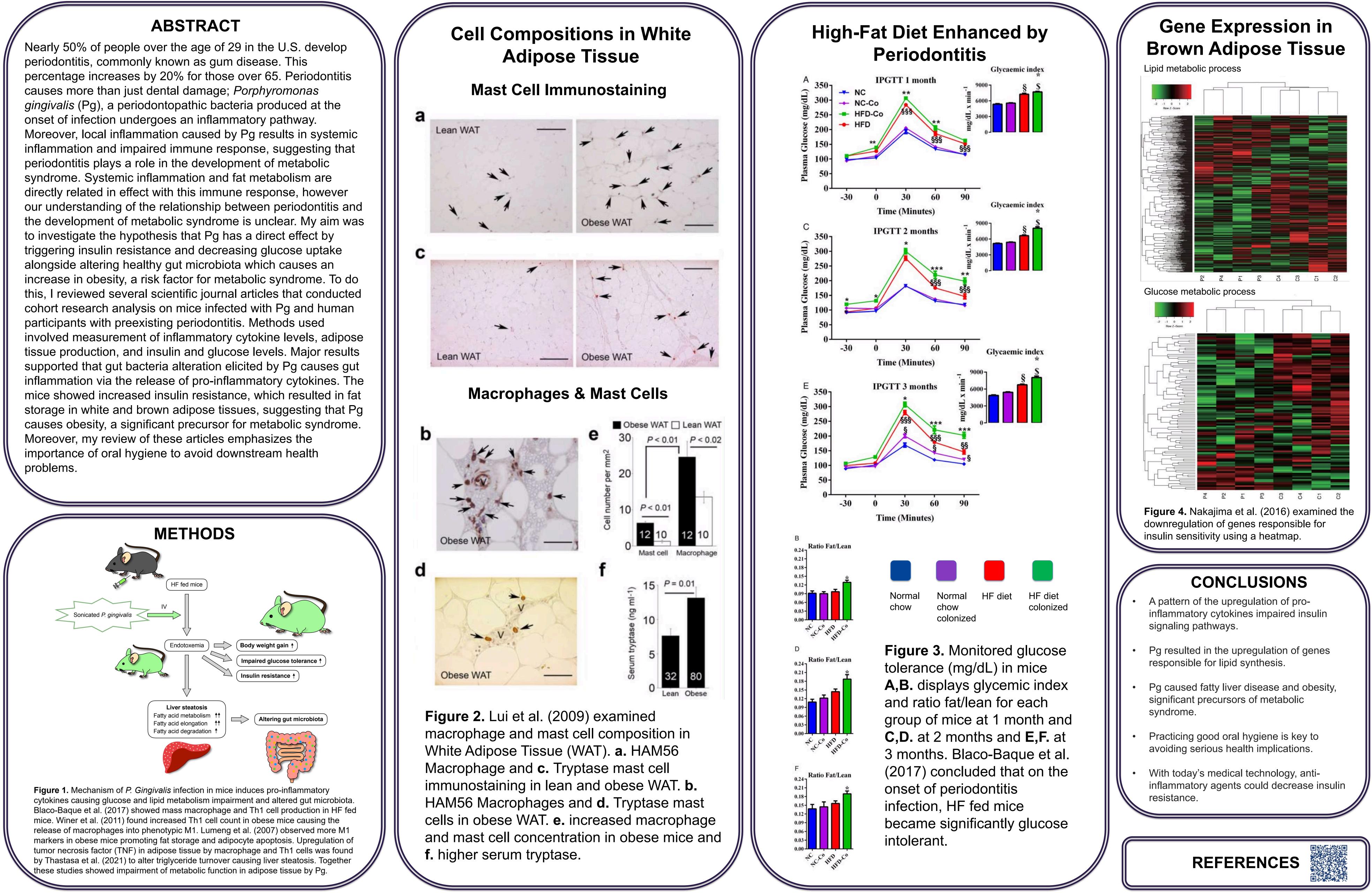


causes more than just dental damage; Porphyromonas Moreover, local inflammation caused by Pg results in systemic to investigate the hypothesis that Pg has a direct effect by triggering insulin resistance and decreasing glucose uptake increase in obesity, a risk factor for metabolic syndrome. To do this, I reviewed several scientific journal articles that conducted cohort research analysis on mice infected with Pg and human involved measurement of inflammatory cytokine levels, adipose tissue production, and insulin and glucose levels. Major results causes obesity, a significant precursor for metabolic syndrome. Moreover, my review of these articles emphasizes the



## **Periodontal Disease: The Influence of Metabolic Syndrome**

Azaria Nyamekye and Dr. EC Cline, Advisor Division of Sciences & Mathematics, University of Washington | Tacoma, Tacoma, WA 98402

