## SS1-4 The Current Status and Future Prospects of Salivary Proteome

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Saliva performs a lot of biological functions that are instrumental in maintaining oral health. The digestive enzymes such as alpha-amylase and antimicrobial proteins such as lysozyme and cystatin are saliva proteins. Saliva is a readily atraumatic body fluid for diagnostics of disease and aging. Human saliva contains proteins that can be informative for disease diagonist and monitoring of oral health. Large-scale analysis of salivary proteins is an important research toward the discovery of biomarkers. However the abundant salivary proteins and contaminant proteins from food and mouth bacteria obscure the identification of medium and low copy salivary proteins. Solving this problem, we developed the shotgun proteomic method using two-dimensional nanoflow LC tandem mass spectrometry.