



NuGO WEBINAR

February 28, 11h CET

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Oral Health

A healthy mouth is essential for overall health and wellbeing. In the oral cavity, teeth penetrate the soft tissue of the gingiva forming a unique interface. Its maintenance is crucial for systemic and oral health, since the gums have blood vessels close to the surface. Furthermore, the oral cavity is the starting point of the gastrointestinal tract and observations on the enrichment of oral infections-associated bacteria in the gut suggest that dysbiosis may affect the whole tract. Thus, two highly prevalent oral infections, caries and periodontitis, require further attention from both dentists and medical doctors to prevent non-communicable diseases more efficiently. Although the essential role of the gut microbiome composition in general health is recognized, microbiome of the oral cavity has remained unexplored. Likewise, the causal links between oral infections and non-communicable diseases are not established.

Pathomechanisms behind non-communicable diseases may involve oral microbiome, which is measurable with state-of-art multi-omics technologies to address its composition and functionality and interactions with the host. Besides gender and oral infections, other determinants of the oral microbiome structure are poorly defined. Our webinar will address these topics with the help of six experts.

Programme

11:00-11:30 Epidemiology of oral diseases

Liisa Suominen, University of Eastern Finland, Finland

11:30-12:00 Periodontal diseases - general picture and relevance for overall well-being

Svetislav Zaric, Kings College, United Kingdom

12:00-12:30 Caries and endodontic problems - general picture and relevance for overall well-being

Thomas Kvist, University of Gothenburg, Sweden

12:30-13:00 Mechanisms linking oral infections to systemic diseases

Pirkko Pussinen, University of Helsinki & University of Eastern Finland, Finland

13:00-13:15 Break of 15 min

13:15 – 13:45 Omics of saliva – methodological aspects

Chistian Milani, University of Parma, Italy

13:45-14:15 Determinants of saliva microbiome

Heli Viljakainen, Folkhälsan Research Center & University of Helsinki, Finland

14:15 – 14:45 Future perspectives and closure

Pirkko Pussinen