

ANA Futura breakfast mingle



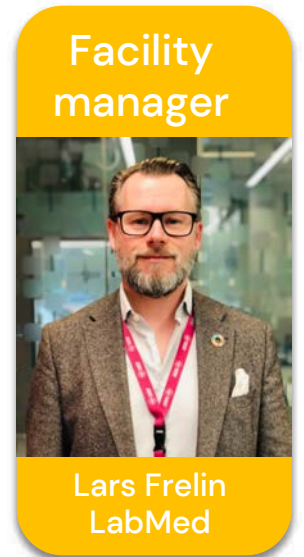
2 June 2026

Agenda

- **Welcome!**
- **Latest ANA Futura news** – *Lars Frelin, facility manager*
- **How microbes of the mouth cause gum disease and more** – *Professor Georgios Belibasakis, Department of Dental Medicine*
- **Questions**

Latest ANA Futura news

- Facility management conference
- Staff change in the ANA Futura service team
- Environment and sustainable development
- Lab inspections in ANA Futura – a yearly routine
- Dry ice storage
- Rules regarding frosted glass
- Freezer facility
- Investment plan 2026
- Update from the service team
- Next ANA Futura breakfast mingle



Facility management conference 27–28 May

- KI:s first facility management conference
 - ANA Futura
 - Biomedicum
 - Neo
- Focus on:
 - Who are we?
 - What is good service?
 - How can we collaborate?



Staff change in the ANA Futura service team

- **As of 1 February 2026, Marjan Amiri** serves as one of the Chief Safety Representatives for KI units at Campus Solna
- **Towe Jakobsson**, Clintec will work part-time (50%) for ANA Futura from 1 May – 31 December 2026
 - Laboratory safety
 - Introductions
 - Chair of the work environment group



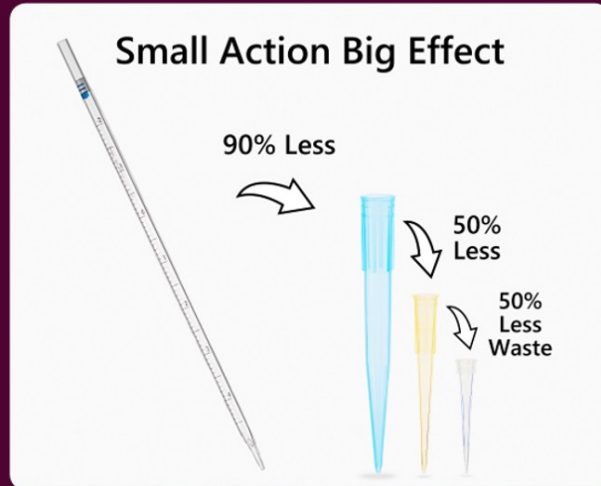
Environment and sustainable development

- Monthly themes about sustainable development
 - Reduce plastic waste
 - Clean water
 - Waste management
 - Chemical usage
- Discussion within the drafting committee
- Highlight themes on our information screens

ANA Futura breakfast meeting, Karolinska Institutet.

ANA Futura environment and sustainability

Fully use your plastic to reduce plastic waste



Rightsize the tip to the volume you need.

- More precise measurement
- Less unused plastic to waste

Lab inspections in ANA Futura – a yearly routine

- **The lab inspections in ANA Futura serve several core purposes:**
 - Ensure compliance with safety regulations
 - Identify and mitigate risks
 - Maintain high quality and standards
 - Safeguard long-term functionality of facilities and equipment
 - Strengthen safety culture
 - Drive continuous improvement



Reminder: Please wear your lab coat



Dry ice storage box

- We have a dry ice storage box in the goods receiving room
- Dry ice from shipments may be put in the box
- First come, first served!
- No central purchase of dry ice

ANA Futura breakfast meeting, Karolinska Institutet.



Rules regarding frosted glass

- Frosting of glass windows in ANA Futura **is not permitted**, which has been decided by the steering committee
 - *The main reason for this is to allow light to pass further into the building*
- Exemptions may be granted by the facility manager upon request
- Also, posters covering windows are not allowed

ANA Futura breakfast meeting, Karolinska Institutet.



Contact information ANA Futura freezer facility

In case of a freezer alarm or a problem in the ANA Futura freezer facility

Office hours:

1. Contact the alarm recipients for the freezer that is alarming.
2. If no one answers, contact the ANA Futura service team: 08-524 836 41.
3. If multiple freezers are alarming, or if there is an audible alarm or lightning alarm from the room/corridor, contact the ANA Futura service team immediately: 08-524 836 41.
4. For general problems in the freezer facility, contact the ANA Futura service team: 08-524 836 41.

Note: If urgent problems occur in the freezer facility – always call the ANA Futura Service Team, do not send a ticket/email.

Outside office hours:

1. Contact the alarm recipients for the freezer that is alarming.
2. If no one answers, contact the facility manager or coordinator.
3. If multiple freezers are alarming, or if there is an audible alarm or lightning alarm from the room/corridor, contact the facility manager or coordinator immediately.
 1. Facility manager Lars Frelin: 070-4243001
 2. Coordinator Tommy Eklund: 076-0500405
4. For general problems in the freezer facility, contact the facility manager or coordinator immediately.

Sign with contact information on your freezer

Make sure that your alarm recipient information is correct and updated

Information about this fridge/freezer:		Nilex number:
		XYZ
Room number:		
Department:		
Division/Unit:		
Research group leader/PI:		
Set temperature (celsius):		
Contact list:		Is the fridge/freezer connected to the alarm:
Email	Telephone no.	Yes
		Fridge/freezer alarm number:

Investment plan 2026 for infrastructure in shared labs

- **New investments:**

- NanoDrop
- Dry ice storage box
- Histology lab (service contract for microtome, cryostat)
- Centrifuges, PCR equipment, Gel Doc, etc. (service contracts)

- Real-time PCR machine
- Floor-standing centrifuge + rotors

- **Reallocation of equipment:**

- TECAN Spark multimode reader (service contract)
- Gel Doc equipment (service contract)



Update from the Service team

- **Staffing during summer 2026**

- The service team will be on-site during the whole summer but with reduced number of staff.
- Lead times for may be longer and some services may not be available.

→ In case of urgent ANA Futura facility related questions:

Please contact the facility manager:

Lars Frelin lars.frelin@ki.se.

08-524 836 32.

070-424 3001 (for text messages).

Update from the Service team

All you need is three phone numbers...

- ANA Futura service team: 08-524 836 41
- KI security guards (CSG): 08-524 860 60
- SOS Alarm: 112
- **Please record the phone numbers in both your work and private phone! (if you have two separate)**



Next ANA Futura breakfast mingle!



- **Drop-in breakfast 8.30 am**
- **Meeting starts 8.45 am – 9.30 am**

ANA Futura Service Team wins KI Work Environment Award 2025

Statement for the prize:

“Facility management functions and service teams are playing an increasingly important role in ensuring high-quality service and safe working environments within research and education at KI. Through their coordinating role, these functions and teams often set the standard for common procedures and safe working practices. This year, one of these teams was nominated for the Work Environment Award.

The service team at ANA Futura has been awarded the KI Work Environment Award 2025 for its long-term and systematic work in laboratory safety within a complex and challenging research and educational environment.

Through coordination, structured introductions and accessible support, the service team creates strong conditions for both new and experienced staff to work safely and correctly. Their solution-oriented approach and strong focus on service make them a key resource that significantly strengthens the safety culture within ANA Futura and, hopefully, across the whole of KI.”



Science in 10 – *How microbes of the mouth cause gum disease and more*

- **Professor Georgios Belibasakis,**
Department of Dental Medicine



How microbes of the mouth cause gum disease and more

Georgios N. Belibasakis

Professor, DDS, MSc, PhD, FHEA

Division of Oral Health and Periodontology

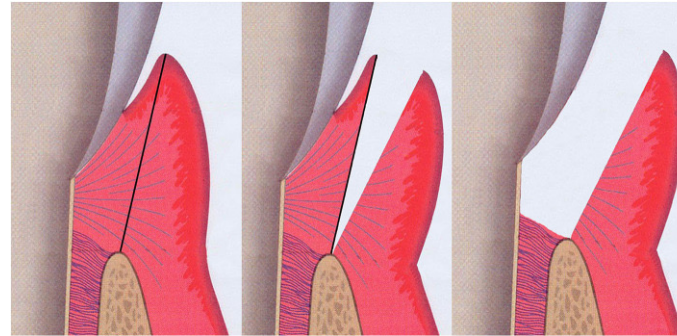
Department of Dental Medicine

ANA Futura Breakfast meeting June 2026

Proteome and Microbiome Mapping of Human Gingival Tissue in Health and Disease

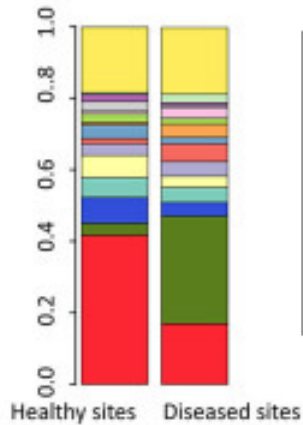
Kai Bao^{1*}, Xiaofei Li², Lucy Poveda³, Weihong Qi³, Nathalie Selevsek⁴, Pinar Gumus⁵, Gulnur Emingil⁵, Jonas Grossmann³, Patricia I. Diaz⁶, George Hajishengallis², Nagihan Bostanci¹ and Georgios N. Belibasakis^{1*}

¹ Division of Oral Diseases, Department of Dental Medicine, Karolinska Institutet, Huddinge, Sweden, ² Department of Basic and Translational Sciences, School of Dental Medicine, Philadelphia, PA, United States, ³ Functional Genomic Centre, ETH Zurich and University of Zurich, Zurich, Switzerland, ⁴ Swiss Integrative Center for Human Health, Fribourg, Switzerland, ⁵ Department of Periodontology, School of Dentistry, Ege University, Izmir, Turkey, ⁶ Department of Oral Biology, University at Buffalo, State University of New York, Buffalo, NY, United States

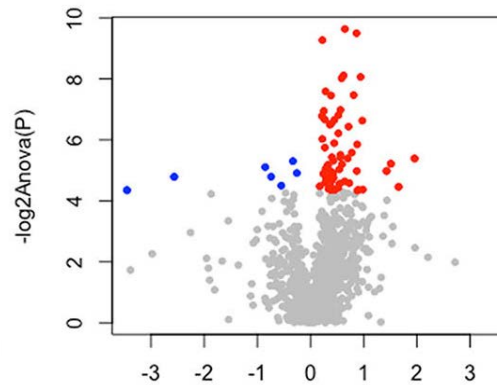


Paired gingival biopsies:
health vs periodontitis

Microbiome:
362 species
11 differential

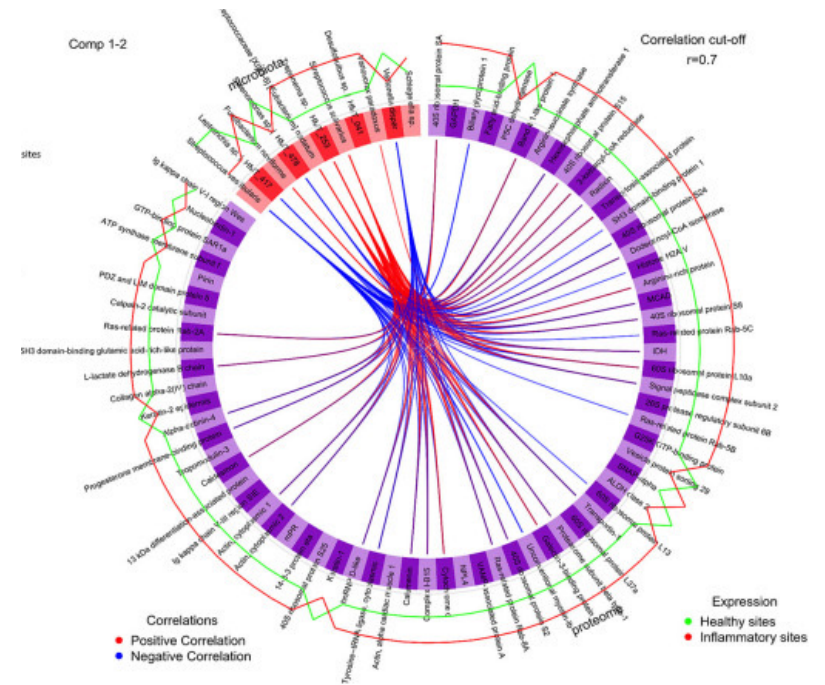


Proteome :
1366 proteins
69 differential



Periodontitis sites
Healthy sites

Interactome



Filifactor alocis

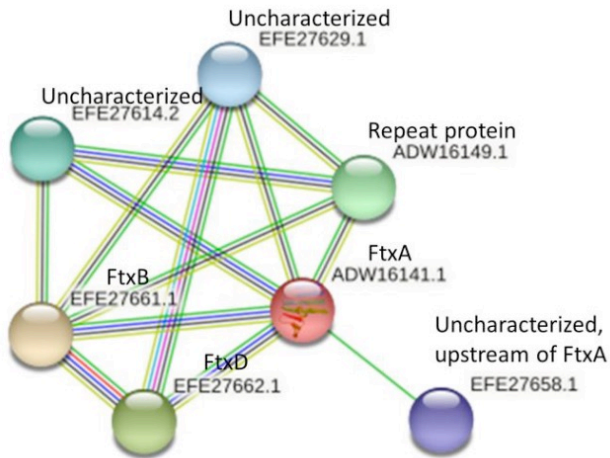


- Gram+ obligate anaerobic rod
- Identified in oral infections
- Can hinder neutrophil functions

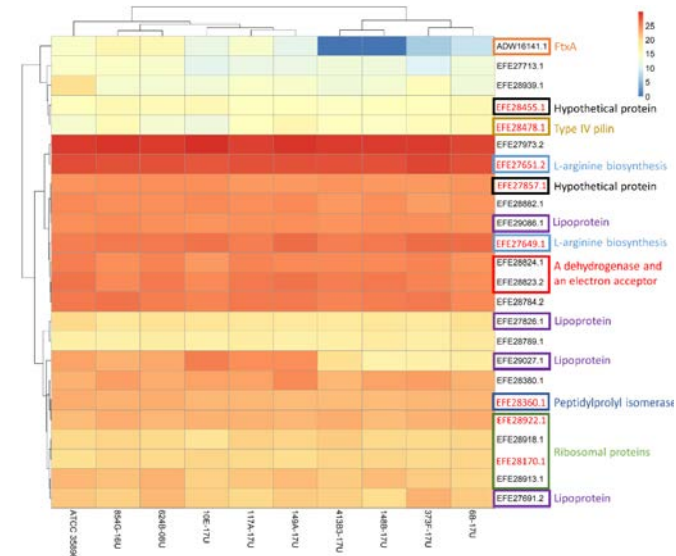
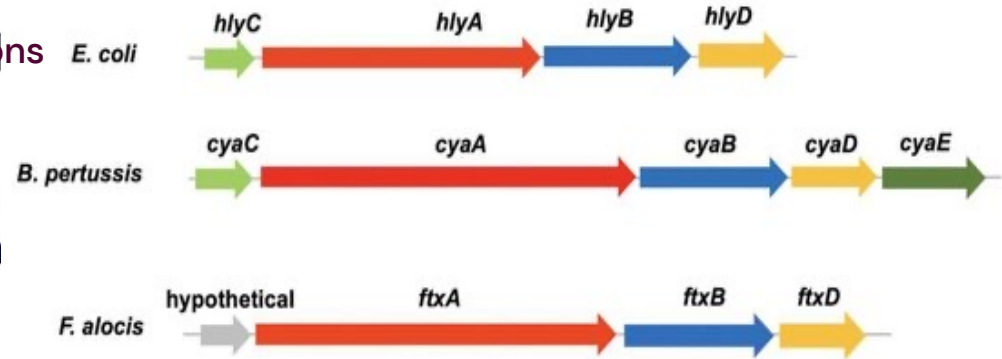
Article

Phylogenetic Analysis of *Filifactor alocis* Strains Isolated from Several Oral Infections Identified a Novel RTX Toxin, FtxA

Jan Oscarsson ^{1,*}, Rolf Claesson ¹, Kai Bao ², Malin Brundin ³ and Georgios N. Belibasakis ²



Interacts in a protein network (Bao et al 2021)

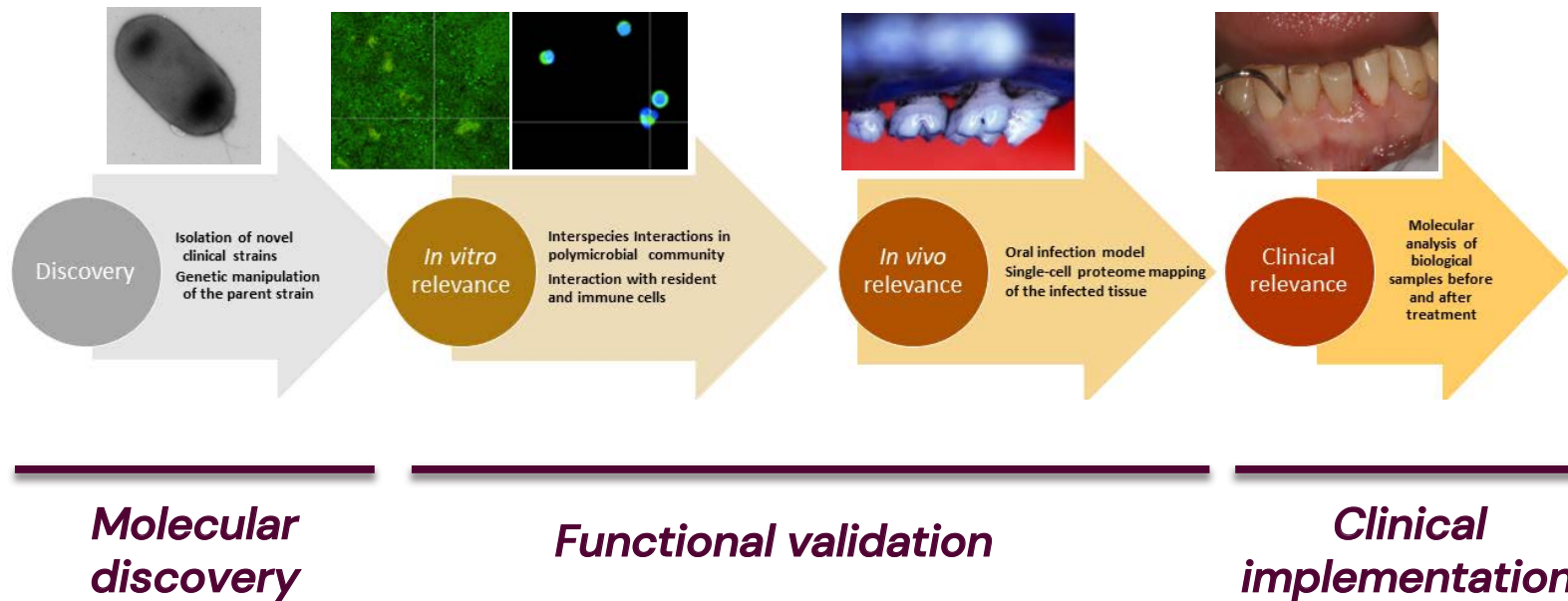


Present in extracellular vesicles (Bao et al 2022)



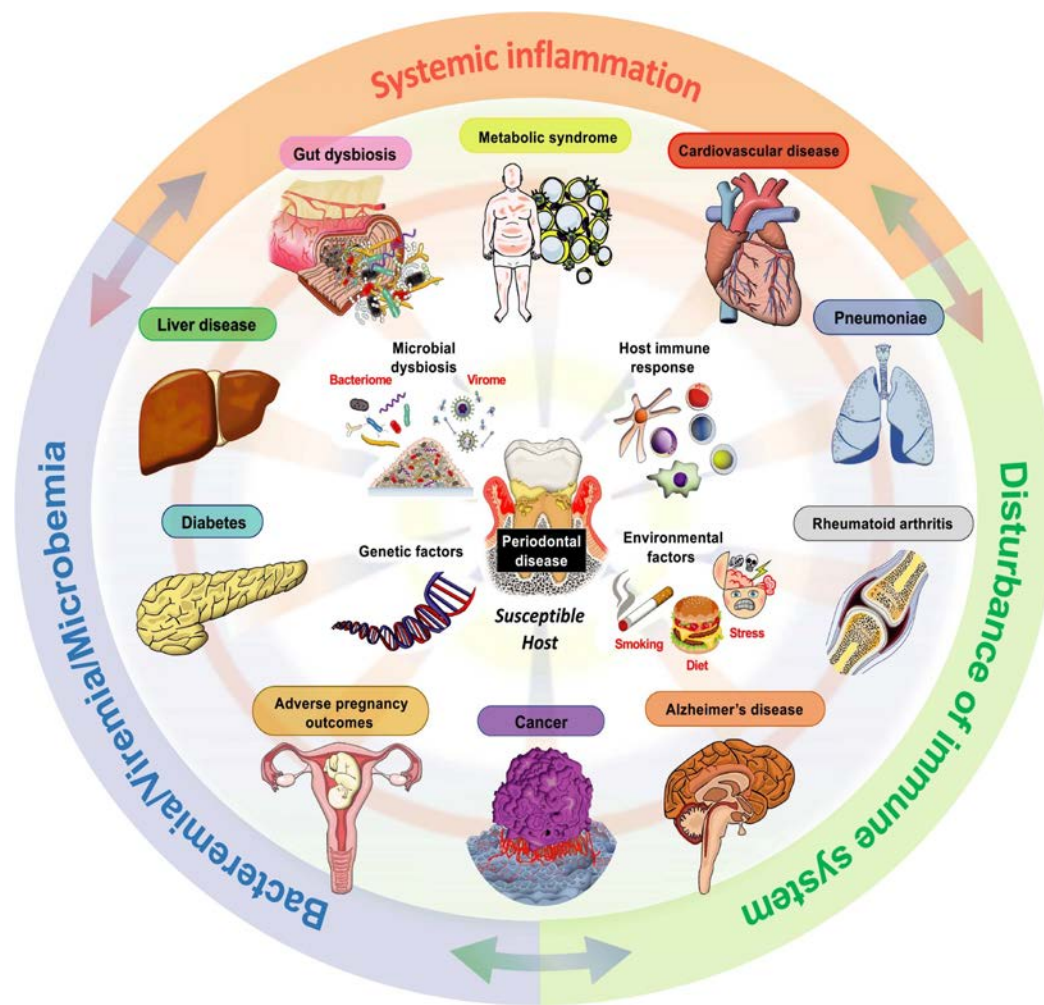
Vetenskapsrådet
Swedish Research Council

FtxA, Filifactor alocis nya virulensfaktor som modulator för mikrobiell ekologi och immunsvaret



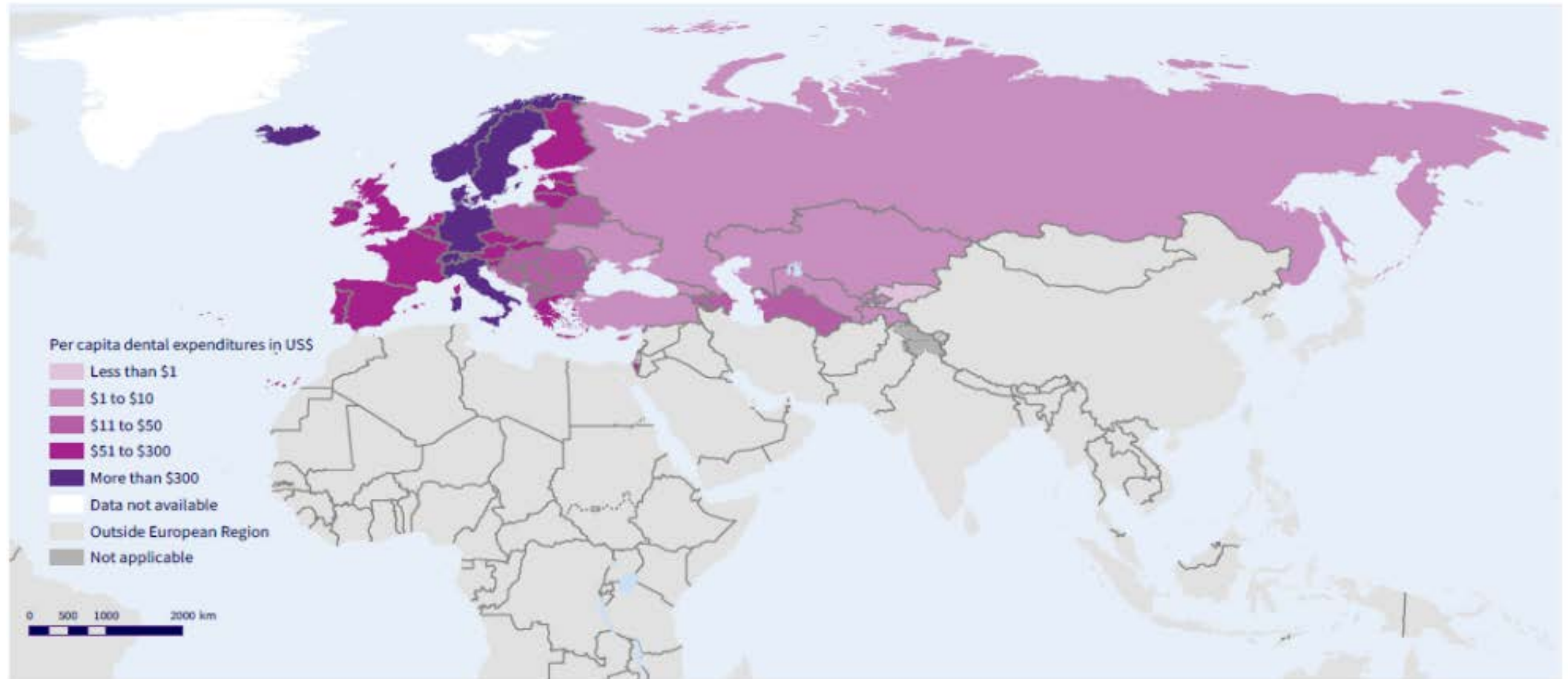
Time to take gum disease seriously

The societal and economic impact of periodontitis



Kapilla et al *Periodontology* 2000 2021

Fig. 1. Per capita dental expenditures in US\$ per country in the WHO European Region (2019)



Data Source: World Health Organization (2).

Map Creation Date: 28 February 2023. Map Production: WHO Geographic Information System Centre for Health, Department of Data and Analytics (DNA)/Data, Analytics and Delivery for Impact (DDI) Division.



Thank you for your attention

Questions?

- **Professor Georgios Belibasakis,**
Department of Dental Medicine



- <https://ki.se/en/people/george-belibasakis>

Questions from the staff



ANA Futura





**Karolinska
Institutet**