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### **GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH**





Biological interpretation of interaction modules across metagenomics, metatranscriptomics and metabolomics modaliteies

## DCM Analysis of Microbiome and Metabolome in Oral Biofilm Reveals Key ECC-associated Interaction Modules Yilan (Maya) Yin, Di Wu

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[10] Könönen, E., Fteita, D., et al., "Prevotella species as oral residents and infectious agents with potential impact on systemic conditions," Journal of Oral Microbiology 14(1), 2079814 (2022).

Modality (#features)	Mean Correlation in Non-ECC Group	Mean Correlation in ECC Group
DNA (232)	0.189	0.044
RNA (21)		
Metabolites (81)		
DNA (45)	0.032	0.222
RNA (143)		
Metabolites (1)		
DNA (3)	0.155	0.391
RNA(1)		
Metabolites (7)		
DNA (39)	0.697	0.660
RNA (28)		
Metabolites (8)		
DNA (33)	0.696	0.659
RNA (18)		
Metabolites(11)		

to the differential correlation exhibited in the cliques identified.

features in the forward stable clique are in yellow.