



Partner Universities



Past Events

1st Research Series Workshop - 18 November 2021

DENTALLIANCE Research Series

Keynote Address

Antimicrobial resistance and the oral microbiome in the metagenomic age
Dr. David Moyes
 Senior Lecturer in Host-Microbiome Interactions
 King's College London

Invited Talks

Investigations of oral microbial enzymes associated with periodontitis
Dr. Adam D. Lietzan
 Research Assistant Professor
 Division of Oral & Craniofacial Health Sciences
 The University of North Carolina at Chapel Hill

Biofabrication strategies for periodontal tissue repair and regeneration
Dr. Nileshkumar Dubey
 Assistant Professor, Discipline of Oral Sciences
 National University of Singapore

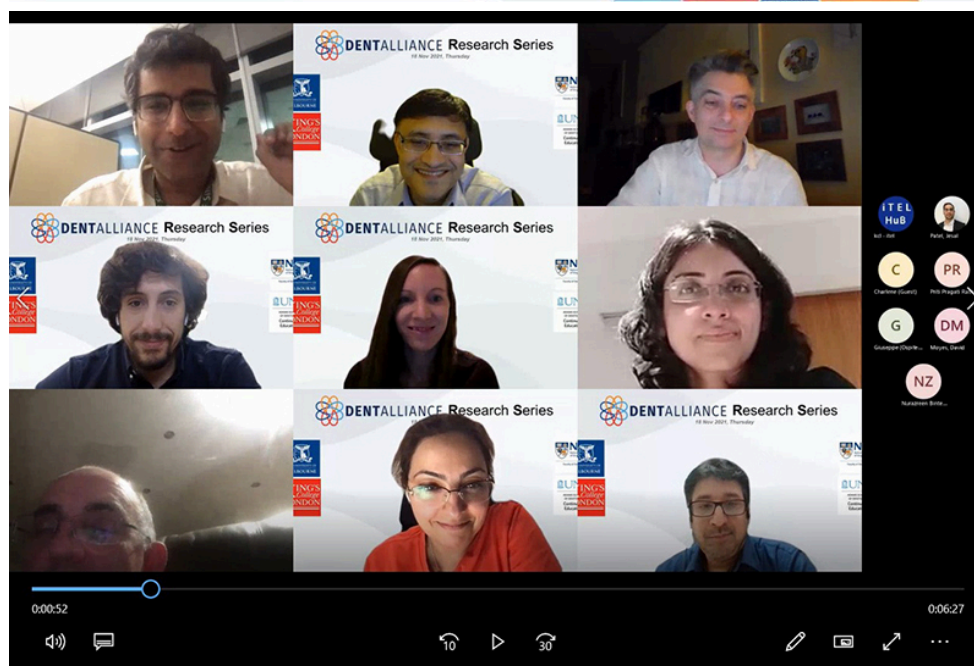
18 Nov 2021, Thursday

North Carolina	07:00	(EDT)	(UTC -4)
London	12:00	(BST)	(UTC +1)
Singapore	19:00	(SGT)	(UTC +8)
Melbourne	21:00	(AEST)	(UTC +10)

Free Admission

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Presented by:



The inaugural **DentAlliance Research Series Workshop** was held on 18 November 2021. The research series is part of DentAlliance's aim of bringing together researchers from across the four partnering Universities coming together to pursue new and transformative research and discovery initiatives, and to enhance professional practice in dentistry and the oral and craniofacial health sciences.

With over 40 attendees from around the globe, the session opened with a keynote address titled, *Antimicrobial Resistance and the Oral Microbiome in the Metagenomic Age*, by **Dr. David Moyes**, Senior Lecturer in Host-Microbiome Interactions at King's College London. Through breakthroughs in DNA sequencing, Dr. Moyes shared more about developing computational methods that allows researchers to interrogate data sets to identify profiles of mobile genetic elements such as bacterial viruses. This has helped paint a better picture of how antimicrobial resistance changes within different communities, and identify the impact of different drug regimens and how these genes can be swapped within a microbial community.

Next to present was invited speaker **Dr. Adam D. Lietzan**, Research Assistant Professor of the Division of Oral & Craniofacial Health Sciences at the University of North Carolina at Chapel Hill, gave his presentation titled, *Investigations of Oral Microbial Enzymes Associated with Periodontitis*. He shared more about his current research of novel interventions for treating periodontal disease, and how proteins derived from oral microbiota impact periodontal health.

This was followed up by the final speaker, **Dr Nileshkumar Dubey**, Assistant Professor at the National University of Singapore's Faculty of Dentistry, who closed off the session with his presentation, titled *Biofabrication Strategies for Periodontal Tissue Repair and Regeneration*. Dr Dubey elaborated on his research on developing and translating technologies that can help repair and restore the health of dental, oral, and craniofacial (DOC) tissues, such as using 3D/4D Bioprinting (Biofabrication), Electrospinning, Tissue Engineering and Regenerative Medicine.

We look forward to more of such insightful programmes from the Research Workgroup.

