



## The Pungency of Garlic: Activation of TRPA1 and TRPV1 in Response to Allicin

Activity Code (AGI-03-P92)

Thursday 24<sup>th</sup> February 2022 1:00-2:00pm via WebEx

**Target Audience: Dentists**

### Aim:

Describe the pungency of garlic: activation of TRPA1 and TRPV1 in response to Allicin.

### Learning objectives:

- Describe how our nervous system senses heat, cold and mechanical stimuli through a novel class of sensors and receptors.
- Discuss an article that specifically describes how raw garlic activates TRP receptors in the mouth likely causing garlic's pungency.
- Provide an overview on the research related to this subject that was awarded the 2021 Nobel Prize for Physiology and Medicine

### Speaker:

- **Prof. Faleh Tamimi** - Professor and Associate Dean at QU College of Dental Medicine.

### Moderator:

- **Dr. Nebu Philip** - Assistant Professor of Pediatric Dentistry, College of Dental Medicine.

Event Schedule	
Speaker	Topic and schedule
<b>Prof Faleh Tamimi (13:00 – 14:00pm)</b>	<ul style="list-style-type: none"> <li>• Describe how our nervous system senses heat, cold and mechanical stimuli through a novel class of sensors and receptors.</li> <li>• Discuss an article that specifically describes how raw garlic activates TRP receptors in the mouth likely causing garlic's pungency.</li> <li>• Provide an overview on the research related to this subject that was awarded the 2021 Nobel Prize for Physiology and Medicine</li> </ul>
<b>Moderator 13:00 – 14:00pm</b>	Case Study and Discussion

\* The scientific planning committee has reviewed all disclosed financial relationships of speakers, moderators, facilitators and/or authors in advance of this CPD activity and has implemented procedures to manage any potential or real conflicts of interest.

\* This activity is an Accredited group learning activity (Category 1) as defined by Department of Healthcare Professions - Accreditation Section (DHP - AS) and is approved for a maximum number of 1 Hours.

\* CPD-HP (QU—Health) is accredited by Department of Healthcare Professions - Accreditation Section (DHP – AS) as a provider of continuing professional development.



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### **Prof Faleh Tamimi**



Prof Tamimi holds a PhD degree in Biomaterials and speciality degrees in Geriatric dentistry and implant prosthodontics. His multidisciplinary and translational research covers various areas including the fields of biomaterials, tissue regeneration, inflammation, and chronobiology. He has received important awards including the W.W. Wood Excellence in Teaching Award from the Association of Canadian Faculties of Dentistry.



### **Dr. Nebu Philip**

Dr. Nebu Philip is an Assistant Professor in Paediatric Dentistry at the College of Dental Medicine with over 15 years clinical experience as a Paediatric Dentist.

He completed his doctoral training at the University of Queensland, Australia and has research interests in dental cariology, novel remineralization technologies, and vital pulp therapy. He has published multiple peer-reviewed papers in high-impact journals and has a H-index of 11.