

## **Joint Research Symposium of Osaka University and Newcastle University**

Date: December 3 (Thu)

0800-0820 GMT (1700 – 1720 JST) Registration opening/introduction

### **<Session 1: Translational Oral Biosciences>**

0820 (1720) Senior researcher (SR) 1 from OU

Speaker: Prof Shinya Murakami

Topics: New Era of periodontal regenerative therapy

0840 (1740) SR 2 from NCLU

Speaker: Dr Nick Jakubovics

Topics: Novel approaches to control oral biofilms'

0900 (1800) Early Career Researcher (ECR) 1 from OU

Speaker: Assistant Prof Jun Ohshima

Topics: *Porphyromonas gingivalis* induces mesenchymal-like transition  
through beta-catenin signaling

0910 (1810) ECR2 from NCLU

Speaker: Mr James Allison

Topics: Investigating dental aerosols and splatter

0920-0930 (1820-1830) Break/discussion

### **<Session 2: Dental Biomaterials>**

0930 (1830) SR3 from OU

Speaker: Assoc Prof Satoshi Yamaguchi

Topics: Artificial intelligence for failure prediction of CAD/CAM composite  
crowns

0950 (1850) SR4 from NCLU

Speaker: Dr Matt German

Topics: Bioactive polymer composite materials

1010 (1910) ECR3 from OU

Speaker: Ms Thongthai Pasiree

Topics: Development of novel surface coating with dual functionality of  
antibacterial activity and protein repellency

1020 (1920) ECR4 from NCLU

Speaker: Mr Chris O'Connor

Topics: Investigating the marginal fit of novel chairside composite crown using  
micro-CT

1030-1040 (1930-1940) Break/discussion

<Session 3: Oral Health Care and Epidemiology>

1040 (1940) SR5 from OU

Speaker: Prof Kazunori Ikebe

Topics: Influence of lack of occlusion on cognitive decline among old Japanese

1100 (2000) SR6 from NCLU

Speaker: Dr Chris Vernazza

Topics: Oral health services, economics and epidemiology

1120 (2020) ECR5 from OU

Speaker: Assistant Prof Yuko Ogaya

Topics: Dental caries is a possible risk factor for *Helicobacter pylori* colonization  
in oral cavity and stomach in rats

1130 (2030) ECR6 from NCLU

Speaker: Greig Taylor

Topics: Dental extractions versus restorations for adult teeth in children: what  
should we decide to do?

1140-1150 (2040-2050) discussion

1150 (2050) Plenary & Close