

**BSODR Management Committee meeting Monday, 14/09/2015 12.30 PM-02:00 PM
Syndicate room H – Committee members only**

**Monday, 14/09/2015 02:00 PM-03:30 PM Syndicate Room B
Senior Colgate Prize Group A1 Chair: Speight, P.**

1 Novel Bioactive Glass Cements For Bone Grafting: From An In-Vitro To An In-Vivo Study
D'Onofrio, A., Shahdad, S., Rawlinson, S., LIU, J., Kent, N., Hill, R. G. Queen Mary University of London

2 Neutrophil directional chemotaxis in children with Papillon Lefèvre Syndrome
Roberts, H., White, P., Grant, M., Chapple, i. University of Birmingham

3 Antibacterial Properties of Oral Progenitor Cells: The role of Soluble Factors
Board Davies, E.¹, Moses, R.¹, Sloan, A.², Stephens, P.¹, Davies, L.^{3,1} ¹Cardiff University, ²Cardiff University, ³Karolinska Institutet

4 Biomarker Study on Oral Cancer Exosomes
Qadir, F., Teh, M. Queen Mary University of London

5 Trends Of Oral Cavity, Oropharyngeal, And Laryngeal Cancer Incidence In Scotland (2001- 2012).
Purkayastha, M., McMahon, A., Gibson, J., Conway, D. mUniversity of Glasgow

6 Salivary changes in mechanically ventilated patients are associated with respiratory pathogen colonization of dental plaque
Sands, K. M.¹, Wilson, M.¹, Wei, X.¹, Xu, R.¹, Brewis, I.², Khanna, S.², Lewis, M.¹, Wise, M. P.³, Williams, D.¹ ¹School of Dentistry, ²Central Biotechnology Services, ³Adult Critical Care, University Hospital of Wales,

**Monday, 14/09/2015 02:00 PM-03:30 PM Syndicate Room C
Senior Colgate Prize Group B1 Chair: Bartlett, D.**

7 Viral Status and Microenvironment In Oropharyngeal Cancer: A Therapeutic Target
Bolt, R.¹, Lambert, D.², Foran, B. H.³, Thomas, S.⁴, Murdoch, C.⁵, Hunter, K.² ¹School of Clinical Dentistry, ²School of Clinical Dentistry, ³Weston Park Hospital, ⁴Sheffield Cancer Research Centre, ⁵School of Clinical Dentistry

8 A Study of Biomarkers in Patients with Periodontal Disease
Gul, S. S., Douglas, I., Griffiths, G., Rawlinson, A. The University of Sheffield

9 A parallel sided randomised controlled trial to determine if the process of warming composite resin restorative material prior to placement of a restoration leads to changes in postoperative sensitivity.
Campbell, I. M. Leeds Dental Institute

10 A novel implant cleaning method - *In vitro* non-contact biofilm removal from SLA and polished titanium surfaces using cavitation from an ultrasonic scaler
Vyas, N., Sammons, R. L., Addison, O., Dehghani, H., Walmsley, A. D. University of Birmingham

11 A phenotypic re-evaluation of human $\gamma\delta$ T cells in health and disease: Is $V\delta^{2+}$ T cell depletion a risk predictor for BRONJ?
Ryan, P. L.¹, Sumaria, N.¹, Izotova, N.¹, Hasan, M. S.¹, Fung, P. P.⁴, Fedele, S.⁴, Porter, S.², Jawad, A.³, Cheng, L.⁴, Bergmeier, L. A.¹, Pennington, D.¹ Queen Mary University of London, ²Eastman Dental Institute, UCL, ³Royal London Hospital, ⁴Barts Health NHS Trust

12 The Role of the Outer Membrane Proteins of *P. gingivalis* in Host-Pathogen Interactions
Naylor, K. L., Murdoch, C., Douglas, I., Stafford, G. P. The University of Sheffield,

Monday, 14/09/2015 02:00 PM-03:30 PM Syndicate Room A
Junior Colgate Prize 1 Chair: Riggio, M.

13 In vitro effects of a novel hydroxyapatite-fluoride agent (IW12) upon enamel repair and remineralisation
Holmes, W.¹, Watson, T.¹, Boyes, V.¹, Verhaeghe, T.² ¹King's College London, ²Sylphar nv

14 Periodontal pathogens harvest sugar from human sialylated proteins, but which ones?
Hussain, M. University of Sheffield

15 The relationship between periodontal disease and non-communicable diseases associated with endothelial dysfunction
Johnson-Idan, J., Hon, J. M., Sabbah, W., Hughes, F. J. King's College London

16 Oral Cancer: Exploring the Stories in United Kingdom Newspaper Articles
Kelly, C., Johnson, I. G., Morgan, M. Cardiff University

17 The association of calcium channel blockers with periodontal disease.
Hon, J. M.¹, Johnson-Idan, J.¹, Linden, G. J.², Winning, L.², Sabbah, W.¹, Hughes, F. J.¹ ¹King's College London, ²Queen's University Belfast

18 The Role of CALML3 in Oral Squamous Cell Carcinoma
Hankinson, P. M., Lambert, D., Hunter, K. University of Sheffield

Monday, 14/09/2015 04:00 PM-05:30 PM Syndicate Room B
Senior Colgate Prize Group A2 Chair: Speight, P.

19 Thermal Observation of Tooth Transfer Heat
Lancaster, P.¹, Brettle, D.², Carmichael, F.³, Clerehugh, V.¹ ¹University of Leeds, ²St James's University Hospital, ³Leeds Dental School

20 A Novel Orthodontic Adhesive Made From Bioactive Glass To Prevent Demineralisation.
Al-eesa, N. A.^{1,2}, Wong, F.², Hill, R. G.¹, Jahal, A.² ¹Queen Mary university of London, ²Barts and the London Dental institute

21 Characterization of mouse incisor tooth mesenchymal stem cells
Walker, J. V.¹, Zhuang, H.^{1,2}, Tredwin, C.¹, Hu, B.¹ ¹Plymouth University Peninsula Schools of Medicine & Dentistry, ²Peking University School and Hospital of Stomatology

Monday, 14/09/2015 04:00 PM-05:30 PM Syndicate Room C
Senior Colgate Prize Group B2 Chair: Bartlett, D.

22 Recruitment of Tumour-Associated Neutrophils to Head and Neck Squamous Cell Carcinoma
NIAZ, H. A.¹, Tazzyman, S.², Muthana, M.², Hunter, K.¹, Murdoch, C.¹ ¹University of Sheffield, ²Department of Oncology, University of Sheffield

23 Signaling regulating active TG2 release from cells: implications for osteoarthritis.
Adamczyk, M., Griffiths, R. M., Dewitt, S., Knauper, V., Aeschlimann, D. Cardiff University

24 Bacterial products can directly activate trigeminal sensory neurons.
Kaewpitak, A., Bauer, C. S., Seward, E. P., Boissonade, F., Douglas, I. The University of Sheffield

Monday, 14/09/2015 04:00 PM-05:30 PM Syndicate Room A
Junior Colgate Prize 2 Chair: Riggio, M.

25 Patients' Valuation of Fluoride Varnish in Brazil: using Willingness to Pay
Adam, N.², Walshaw, E.², Lobato, M.³, Neves, M.³, Vernazza, C. R.¹ ¹Newcastle University, ²Newcastle University, ³Pontificia Universidade Católica do Rio Grande do Sul

26 Isolation and Immortalisation of Tonsil Keratinocytes for Three-Dimensional Tissue Engineered Models
Grayson, A. K.^{1,2}, Hearnden, V.^{1,3}, Colley, H. E.¹, Bolt, R.¹, Jabreel, A.⁴, Murdoch, C.¹ ¹University of Sheffield, ²Sheffield Hallam University, ³Department of Materials Science and Engineering, ⁴Sheffield Teaching Hospitals NHS Foundation Trust

**Monday, 14/09/2015, 2:00PM-4:00PM Assembly Room Poster Area
BSODR Poster Prize Judging**

BSODR Clinical Research Poster Prize
Unilever Poster Prize

Monday, 14/09/2015, 7:00PM-8:00PM Welcome Reception: venuVenue TBCe TBC

Tuesday, 15/09/2015 8AM -9AM Early Stage Researcher Breakfast (ECR eligible delegates only) Venue TBC

Tuesday, 15/09/2015 9.00AM – 9.30AM Opening Ceremony Assembly Rooms

Tuesday, 15/09/2015 9.30AM – 10.30AM Plenary Lecture, Professor Christopher Lynch Assembly Rooms

**Tuesday, 15/09/2015 10:30 AM-12:00 PM Assembly Room Poster Area
Tuesday Posters**

27 In vitro effect of amorphous calcium phosphate paste applied for extended periods of time on enamel remineralization
Neves, J. G.¹, Danelon, M.¹, Stock, S.³, Cannon, M.³, Xiao, X.², De Carlo, F.², da Camara, D.¹, Delbem, A.¹
¹Araçatuba Dental School, ²Argonne National Laboratory, ³Feinberg School of Medicine

28 Salivary antimicrobial proteins associate with *Streptococcus mutans*, age and dental disease status of children
Malcolm, J.¹, Simon-Soro, A.², Sadique, S.³, Macpherson, L.³, Mira, A.², Culshaw, S.⁴, Sherriff, A.³
¹University of Glasgow, ²FISABIO foundation, ³University of Glasgow Dental School, ⁴University of Glasgow Dental School

29 In-situ Caries Evaluation of Experimental Dentifrices containing Functionalised β -TCP
Churchley, D.¹, Bosma, M.¹, Hara, A.², Jain, R.¹, Kelly, S.², Lippert, F.², Martinez Mier, E.², Zero, D. T.²
¹GlaxoSmithKline Consumer Healthcare, ²Oral Health Research Institute

30 SEM imaging of cervical dentine treated with a desensitising toothpaste
Morgan, E. R., Mneimne, M., Gillam, D. G., Hill, R. G. Barts and the London School of Medicine and Dentistry, Queen Mary University of London

- 31 RCT of Experimental Cetylpyridinium Chloride Mouthwash Effects on Plaque Re-Growth
Shaw, D.³, Gordon, J.¹, Maclure, R.², Bosma, M.¹ ¹GlaxoSmithKline Consumer Healthcare, ²Intertek CRS, ³inVentiv Health
- 32 Randomised Clinical Trial of Oral Tolerability of a NaHCO₃ Toothpaste
Krishnan, N., Lomax, A., Ali, A., Jain, R., Bosma, M.
Glaxo SmithKline
- 33 RCT of Experimental Stannous Fluoride Dentifrice in Dental Stain Removal
Nehme, M.¹, Hall, C.¹, Siddiqi, M.², Hughes, N.¹, Milleman, K.⁴, Milleman, J.³ ¹GSK Consumer Healthcare, ²InVentiv Health Clinical, ³Salus Research, ⁴Salus Research
- 34 Antimicrobial activity of a stannous fluoride toothpaste in the PGRM
Parkinson, C.¹, Maclure, R.³, Payne, D.², Hall, P.³, Jeffery, P.¹ ¹GSK Consumer Healthcare, ²Intertek, ³Intertek CRS
- 35 Three RCTs of Tolerability of Oral Healthcare Products in Children
Gordon, J.¹, Newby, E.¹, Milleman, K.², Milleman, J.³, Payne, D.⁴, Maclure, R.⁴, Siddiqi, M.⁵, Bosma, M.¹
¹GlaxoSmithKline Consumer Healthcare, ²Salus Research, ³Salus Research, ⁴Intertek CRS, ⁵inVentiv Health Clinical
- 36 Comparison of Different Periodontal Surgeries: A Longitudinal Meta-Analysis
Wu, Y., Lin, L., Tu, Y. Institute of Epidemiology and Preventive Medicine
- 37 Full-mouth Disinfection in the Treatment of Chronic Periodontitis: A Systematic Review and Bayesian Network Meta-analysis
Lu, Y., Chen, T., Wu, Y., Tu, Y. Institute of Epidemiology and Preventive Medicine
- 38 Association Between Periodontitis, Renal & Vascular-Function In Chronic Kidney Disease
Sharma, P., Fenton, A., Sidhu, A., Rahman, M., Cockwell, P., Ferro, C., Dietrich, T., Chapple, i. University of Birmingham
- 39 The Influence of Supra-physiological Glucose Levels on Mesenchymal Stem Cells. Consequences for Diabetic Bone Repair.
Al-Qarakhli, A. M., Sloan, A., Moseley, R., Waddington, R. Dental School/ Cardiff University
- 40 Neutrophil cell glutathione changes in chemotaxis
Sham, N. B., Grant, M. University of Birmingham
- 41 Outcomes of periodontal therapy in Rheumatoid Arthritis: baseline data from a randomised controlled trial
Lopez-oliva, I.¹, Stefan, S.¹, de Pablo, P.², Filer, A.², Raza, K.³, Dietrich, T.¹ ¹Birmingham Dental Hospital, ²Queen Elisabeth Hospital, ³Sandwell and West Birmingham Hospitals NHS Trust
- 42 Effectiveness of Gingival Retraction Methods: A Systematic Review
Tabassum, S., Raza Khan, F. Aga Khan University Hospital
- 43 A qualitative study to explore the issues faced by patients when giving feedback on the communication of dental students
Coelho, C., Pooler, J., Lloyd, H. Plymouth University Peninsula Schools of Medicine and Dentistry
- 44 Teaching of posterior composites in UK and Ireland dental schools
Lynch, C. D.¹, Blum, I. R.², McConnell, R. J.³, Wilson, N. H.⁴ ¹School of Dentistry, Cardiff University, ²Kings College London Dental Institute, ³University College Cork, ⁴Kings College London Dental Institute
- 45 A Mixed Methods Assessment Of An Orthodontic E-learning Resource
Mehta, S.¹, Clarke, F.⁴, Fleming, P.^{3,2} ¹Cedars Dental Practice, ²Queen Mary University of London, ³Queen Mary University of London, ⁴Queen Mary University of London
- 46 New Graduates' Professionalism And Communication Skills: Trainers' Expectations and Experience
Jones, R. J., Gilmour, A. School of Dentistry, Cardiff University

47 Views of recent dental school graduates on teaching in prosthodontics.
Oliver, G.¹, Lynch, C. D.², Chadwick, B. L.³, Santini, A.⁴, Wilson, N. H.⁵ ¹Oxford University Hospitals, ²School of Dentistry, Cardiff University, ³School of Dentistry, Cardiff University, ⁴The University of Medicine & Pharmacy, ⁵Kings College London Dental Institute

48 Are Thiel Cadavers a Better Model for Teaching Exodontia to Dental Undergraduates?
Macluskey, M., Hanson, C., Eisma, R. University of Dundee

49 Peer Review of Teaching in UK Dental Schools
Cunningham, I. M., Lynch, C. D. Cardiff University

50 In Vitro Real-Time Measurements of Rate of Enamel Remineralisation
Mneimne, M.¹, Hill, R. G.², Anderson, P.³ ¹Barts & The London, ²Dental, ³QMUL

51 Osteoarthritis biomarker discovery using a 3D human articular cartilage model
Heil, A.¹, Dewitt, S.¹, Waddington, R.¹, Archer, C.², Aeschlimann, D.¹ ¹Cardiff University, ²Swansea University

52 Repair of Enamel Erosive Lesions with Adult and Children's Dentifrices
fowler, C.¹, Brown, A.², Lynch, R. J.¹ ¹GlaxoSmithKline, ²Lucideon Ltd

53 Preparation of wild-type and mutant recombinant amelogenins for functionality studies of AI pathogenesis
Gabe, C., Brookes, S. J., Myers, S. L., Kirkham, J. University of Leeds

54 Ordered Enamel Crystallite Formation Using Elastin-like Proteins
Shaturminska, K., Al-Jawad, M., Azevedo, H., Bushby, A., Mata, A., Anderson, P. Queen Mary University

55 Pharmacological rescue of amelogenesis imperfecta and the NFκB pathway
Myers, S. L., Brookes, S. J., Feichtinger, G., Kirkham, J. University of Leeds

56 Co-operativity of Statherin and Histatin in Demineralisation of Carious and Erosive HAp Model
Al Mandil, H. B., Al-Jawad, M., Williams, R., Anderson, P. Queen Mary University of London

57 The Effect of Demineralisation on Enamel Porosity
Padidar, B.¹, Burnett, G.², Petroczi, A.¹, Naughton, D.³ ¹Kingston University London, ²GlaxoSmithKline Consumer Healthcare, ³Kingston University

58 Bacterial Toxicity Comparison Between Silver, Titanium Dioxide and Hydroxyapatite Nanoparticles
Besinis, A., Hadi, S., Le, H., Tredwin, C., Handy, R. University of Plymouth

59 Comparison of Shaping Ability and Failure Incidence of WaveOne files and One Shape files.
Elashiry, M. M. Faculty of Dentistry, Ain shams University

60 The Efficacy of Hydrogen Peroxide in Modulating Dentine Staining
Alraies, A.¹, Waddington, R.¹, Glasse, C.², Rees, J.¹, Mohan, V.², Young, N.², Sloan, A.¹ ¹Tissue Engineering and Reparative Dentistry, ²Philips Research

61 Benchmarking the Chemical Solubility of Restorative Dental Ceramics
Hawsawi, R. A., Johnson, A., Stokes, C. The University of Sheffield

62 Clinical Evaluation Of Conventional Lithium Disilicate Single Crowns Issued in a Teaching Institution
Samer, M. S., Abdullah, H. B., Taiyeb Ali, T. B. University of Malaya

63 Biocompatibility and biomineralization assessment of bioceramic, epoxy-resin based and calcium hydroxide root canal sealers.
Dezan-Junior, E. UNESP

64 Development of Three-dimensional Models of Bone and Oral Mucosa
Almela, T. K., Brook, I. M., Moharamzadeh, K. Sheffield University

65 The environmental fate of waste microplastics from resin-based dental composite
Mulligan, S., Fairburn, A., Kakonyi, G., Thornton, S. F., Moharamzadeh, K., Martin, N. University of Sheffield

66 Biocompatibility of Surface-Modified Titanium Implants with Silver and Hydroxyapatite Nanoparticles
Salaie, R. N., Besinis, A., Le, H., Tredwin, C., Handy, R.
University of Plymouth

67 Comparison of Two Biomembranes in the Direct Pulp Capping
klein-jr, c. a.¹, Plepis, A. d.² ¹lutheran university, ²USP

68 Development Of Bioactive Glass For Orthodontic Adhesive Removal And Remineralization
TAHA, A., Patel, M., Fleming, P., Hill, R. G. Queen Mary University of London

69 A New Photoelastic Dental Model for 3D Photoelasticity Applications.
Ziglam, A. A., Johnson, A., Wood, D., Patrick, D., Tomlinson, R. University of Sheffield

70 Structural Integrity of Poly-Ether-Ketone-Ketone (PEKK) Based Bi-layered Molar Crowns
Alsadon, O. A.¹, Wood, D.¹, Patrick, D.¹, Copponnex, T.², Pollington, S.¹
¹University of Sheffield, ²Cendres+Métaux SA

71 Stain on denture base materials – Development of an in vitro model for assessing stain removal by brushing
Sarembe, S.¹, Ufer, C.¹, Kiesow, A.¹, Roy, P.², Ghaderi, S.², Varghese, R.² ¹Fraunhofer Institute for Mechanics of Materials IWM, ²GlaxoSmithKline Consumer Healthcare

72 Layered Double Hydroxides in Experimental Composite Materials
Abdulmohsen, B.¹, Franks, M. A.², Hine, C. E.², Patel, M.² ¹Newcastle University, ²Queen Mary University of London, Barts and The London School of Medicine and Dentistry

73 Differentiation Of Human Dental Pulp Stem Cells Into Neural Lineages
Kyriakidou, E.¹, Travers, P.³, Lopes, V.² ¹University of Sheffield, ²Edinburgh Dental Institute, ³University of Edinburgh

74 The function of CD133 in tooth epithelium development
Singer, D.¹, Zhuang, H.², Corbeil, D.³, Tredwin, C.⁴, Hu, B.⁵ ¹PUPSMD, ²Plymouth University, ³BIOTEC - Biotechnology Center TU Dresden, ⁴PUPSMD, ⁵Plymouth University

75 Role of Mesenchymal Cells in Salivary Gland Regeneration
Davies, J., Hu, B. University of Plymouth

76 Peripheral Targeting Of Interleukin-1 Cytokine Signaling Pathway In Peripheral Nerve Injury
SHEMBESH, H., Bird, E., Boissonade, F., Atkins, S. The University of Sheffield

77 Direct bacteria-neuron interaction via Toll-Like Receptors (TLRs): consequences for orofacial pain.
Helley, M., Abate, W., Jackson, S. K., Bennett, J. H., Thompson, S. W. Plymouth University

Tuesday, 15/09/2015 11:30 AM-12:30 PM Assembly Room
Colgate Prize Finals Chair: Whawell, S.

Tuesday, 11/09/2015 11:30 PM-1.00 PM Assembly Room
OMIG Symposium Chair: Spratt, D.
Sponsored by GlaxoSmithKline

Dr Andrew McBain (University of Manchester, UK)
Therapeutic and hygienic control of biofilms in the mouth and elsewhere

Prof Bart Keijser (TNO and ACTA, Netherlands)
Resilience: a new oral health concept beyond the absence of disease.

Prof Rob Allaker (QMUL, UK)
Use of nanotechnology in the control of oral biofilms

Prof Gordon Ramage (University of Glasgow, UK)
Polymicrobial biofilms on the denture surface.

Tuesday, 15/09/2015 11:30 AM-01:00 PM Syndicate Room C
MINTIG Prize Orals Chair: Waddington, R.

78 Semi Real-Time Erosion of Human Dentine at the Nano-scale: An AFM Force-curve Based Imaging Study
Pattem, J. K. Newcastle University

79 Towards a 4-D spatial and temporal model of human incisor enamel biomineralisation using X-ray techniques.
Al-Mosawi, M., Davis, G. R., Al-Jawad, M. Queen Mary, University of London

80 Hydroxyapatite/Carbon Nanotubes as Composite Bone Implants - Biocompatibility vs Toxicity
Natesan, K., Le, H., Salih, V., Handy, R., Tredwin, C. Plymouth University

81 Radiographic assessment of regenerative endodontic treatment of traumatised non-vital immature teeth.
Nazzal, H., Monteiro, J., Webb, L., Duggal, M. S. University of Leeds

82 Characterization of White Spot Lesion Using Focused Ion Beam- Scanning Electron Microscopy
Moeinian, M.², Shuturminska, K.³, Bushby, A.², Hill, R.³, Wong, F.¹ ¹Institute of Dentistry, QMUL, ²QUML, ³Queen Mary University

Tuesday, 15/09/2015 11:30 AM-01:00 PM Syndicate Room B
Health Services Research Orals Chair: Chestnutt, I. G.

83 Referral pathways from general dental services to other primary dental care services in the UK: A systematic review and critical interpretive synthesis
Allen, Z. E., Nasser, M., Stenhouse, E., Richardson, J., Moles, D. R. Plymouth University

84 The Future Dental Workforce In Malaysia: Drivers For Change
Che Musa, M., Bernabe, E., Gallagher, J. E. King's College London Dental Institute

85 Potential For Direct Access In Care Homes In Wales
Monaghan, N. P.², Morgan, M.^{1,2} ¹Cardiff University, ²Public Health Wales

86 Urgent Dental Care: Accessibility, Availability and Equity
Worsley, D., Marshman, Z., Robinson, P. G., Jones, K. University of Sheffield

87 Fifteen-year Survival of Root Canal Treated Posterior Teeth.
Lessani, M., Lucarotti, S., Lumley, P., Burke, T. University of Birmingham

88 Dental consultations and antibiotic use in UK General Medical Practice
Cope, A., Francis, N. A., Wood, F., Chestnutt, I. G. Cardiff University,

Tuesday, 15/09/2015 11:30AM-01:00 PM Syndicate Room D
VOCO Prize Session 1 Chair: Addison, O.

89 Mechanical Properties of Thermo-pressed Polyetheretherketone as a Denture Material
Muhsin, S. A.¹, Hatton, P.¹, Johnson, A.¹, Sereno, N.², Wood, D.¹ ¹University of Sheffield, ²JUVORA Ltd

90 Synthesis of glass-ceramics for dental applications
Alzaharani, A. S.¹, Cattell, M.², Karpukhina, N.¹ ¹Queen Mary University of London, ²Barts & The London School of Medicine and Dentistry Institute of Dentistry Turner Street London

91 Water-Uptake and Mechanical Properties of Experimental Resin-Modified Glass-Ionomer Cements (RMGICs).
Agha, A.¹, Parker, S.¹, Fleming, G.², Patel, M.¹ ¹Barts and the London School of Medicine and Dentistry, ²Dublin Dental Hospital, Trinity College

92 Optimizing photo-initiator system of new fluoride-releasing acrylic orthodontic adhesive
Ismail, H. M., German, M. J., Rolland, S. L. Newcastle University

93 Effect of Temperature and Substrate on Ordered Apatite Crystals for Coating Dental Implants.
Elsharkawy, S., Al-Jawad, M. Queen Mary University of London

94 Increased bioactivity in fluoride and high phosphate containing glasses and stimulation of VEGF production in MC3T3-E1 osteoblast-like cells
LIU, J., Rawlinson, S., Hill, R. G., Fortune, F. Queen Mary University of London

Tuesday, 15/09/2015 1:00PM-02:00 PM BERSH group lunch, venue TBC

Tuesday, 15/09/2015 1:00PM-02:00 PM ABSTD group lunch, venue TBC

Tuesday, 15/09/2015 1:00PM-02:00 PM OMPG group lunch, venue TBC

**Tuesday, 15/09/2015 02:00 -03:00 PM TC White Lecture, Dr Francesco D'Auito
Assembly Rooms**

**Tuesday, 15/09/2015 02:00 -03:00 PM Syndicate Room D
Voco Prize Sesssion 2 Chair: Addison, O.**

95 Odontogenic differentiation of human dental pulp stem cells (hDPSCs) under strontium treatment
HUANG, M., Hill, R., Rawlinson, S. Queen Mary University of London

96 Modified Appen Model for Developing Restoratives with Enhanced Clinical Aesthetics
Duminis, T.¹, Shahid, S.¹, Frampton, P.², Hill, R.¹ ¹Barts and the London School of Medicine and Dentistry, Queen Mary University of London, ²James Kent Group

97 2- Photon analysis of nanogel-infiltrated adhesive-dentine interfaces
Boyes, V.¹, Stansbury, J.³, Festy, F.², Thompson, V.¹, Watson, T.¹ ¹King's College London, ²Tissue Engineering and Biophotonics, ³University of Colorado Denver

**Tuesday, 15/09/2015 02:00PM-03:00PM Syndicate Room B
Behavioural Science Orals Chair: Robinson, P. G.**

98 Triggers for patients' referral for NHS dental implant treatment and the subsequent decision making process; Patients' encounters and Clinicians' views
Kashbour, W. A., Ellis, J., Rousseau, N., Thomason, M. Newcastle university

99 Tension field triad: Influences on development of professionalism in dental students

Ranauta, A.², Davenport, E.², Freeth, D.¹

¹London School of Hygiene and Tropical Medicine, ²QMUL, Barts & The London School Of Medicine and Dentistry

100 Leadership in dentistry: an exploratory study of general dental professionals' perceptions of leadership

Wardman, M. J. University of Leeds

101 Exploring people's online experiences of the teeth whitening industry using a web-specific mapping technique

Lala, R., Robinson, P. G., Gibson, B. J. The University of Sheffield

**Tuesday, 15/09/2015 02:00 PM-03:15 PM Syndicate Room C
Cariology, Diagnosis and Prosthodontics Chair: Bartlett, D.**

102 Correlation between Optical Coherence Tomography and Synchrotron X-ray diffraction for the diagnosis of enamel defects

Bozec, L.¹, Al-Jawad, M.², Al-Azri, k.¹, Cook, R. J.³, Festy, F.³, Parekh, S.¹ ¹University College London, ²Queen Mary University of London, ³King's College London

103 Salivary proteins mediate greatest protection against dental erosion

Mutahar, M. A., Carpenter, G., Bartlett, D., Moazzez, R. King's College London

104 Determination of Hydrogen-Ion Concentration Microenvironments within Biofilm by Two-Photon Excitation Fluorescence Lifetime Imaging Microscopy (2PE-FLIM)

Roulston, D. P.¹, Pratten, J. R.², Spratt, D.¹ ¹UCL Eastman Dental Institute, ²GSK Consumer Healthcare

105 Comparing the Demineralisation Rates of Deciduous and Permanent Enamel.

Hassanali, I.⁴, Wong, F.², Lynch, R. J.¹, Anderson, P.³ ¹GlaxoSmithKline, ²Institute of Dentistry, QMUL, ³QMUL, ⁴Queen Mary University

106 Host Microbiome Interactions in the Oral Cavity of a Denture Wearer

O'Donnell, L. E.¹, Robertson, D.¹, Nile, C. J.¹, Riggio, M.¹, Bradshaw, D.², Lambert, M.², Crielaard, W.³, Zaura, E.³, Brandt, B.³, Ramage, G.¹ ¹University of Glasgow, ²GSK, ³Academic Centre for Dentistry Amsterdam

**Tuesday, 15/09/2015 03:30 PM-04:00 PM NIHR funding, Professor Jimmy Steele,
Assembly Rooms**

**Tuesday, 15/09/2015 04:00 PM-05:00 PM Graham Embery Lecture, Professor
Michael Curtis, Assembly Rooms**

**Tuesday, 15/09/2015 05:00 PM-06:00 PM BSODR Annual Business meeting,
Assembly Rooms (open to all members)**

**Tuesday, 15/09/2015 07:00 PM-10:00 PM Conference Dinner "A Night at the
Museum" National Museum of Wales, Cathays Park (building next door to City Hall)**

**Wednesday, 16/09/2015 09:00-10:30AM Syndicate Room D
Materials Science Orals Chair: Walmsley, A. D.**

107 Debris accumulation following instrumentation with asymmetric file systems

OGLAH, F. S., Juneja, R., Robinson, J., Cooper, P., walmsley, A. D., Tomson, P. University of Birmingham

108 In Vitro Characterisation of Teethmate: A Calcium-Phosphate Based Dentine Desensitiser
Duminis, T., Shahid, S., D'Onofrio, A., Hill, R., Gillam, D. G. Barts and the London School of Medicine and Dentistry,

109 Antibacterial coating made of strongly adhered nanosilver to titania nanotubes for dental implants
Danookdharree, U. F., Le, H., Tredwin, C., Handy, R. Plymouth University

110 The effect of sodium content on the bioactivity of glasses used in grit-blasting technique
Al-Khayyat, F., Hill, R. G., Rawlinson, S. Queen Mary University of London

Wednesday, 16/09/2015 09:00 AM-10:15 AM Assembly Room
Oral Cancer Orals Chair: Khurram, A.

111 Multidisciplinary team perspectives on the quality of life of head and neck cancer patients at two years
Parhar, S.¹, Rogers, S.², Lowe, D.³ ¹University of Glasgow, ²University Hospital Aintree, ³Edge Hill University

112 Risk Modelling in Cancer Prediction: Are we falling behind in Head and Neck Cancer?
McCarthy, C. E.¹, Marcus, M. W.¹, Bonnett, L. J.², Field, J.¹ ¹Institute of Translational Medicine, ²Institute of Translational Medicine

113 The Scottish Audit of Head and Neck Cancer (SAHNC): Influence of socioeconomic deprivation status on 5- and 12- year survival.
Ingarfield, K.¹, Savage, S.², MacKenzie, K.³, Douglas, C.⁴, Conway, D. I.¹, McMahon, A.¹ ¹University of Glasgow, ²NHS Fife, ³Glasgow Royal Infirmary, ⁴Southern General Hospital

114 Cancer-associated fibroblasts contribute to macrophage recruitment in head and neck cancer.
Prajapati, P., Kabir, T., Melling, G., Hadley, L., Colley, H. E., Murdoch, C., Lambert, D. University of Sheffield

115 Modelling Ameloblastoma Behaviour With Bone-Like Co-Culture Scaffolds
Eriksson, T.¹, Day, R.², Fedele, S.³, Salih, V.^{4,1} ¹University College London, ²University College London, ³University College London, ⁴Plymouth University

Wednesday, 16/09/2015 09:00 AM-10:30 AM Syndicate Room B
Epidemiology Orals Chair: Newton, J.

116 Body Mass Index and Dental Caries: A Systematic Review and Meta-analysis
Paisi, M.¹, Kay, E. J.², Bennett, C.³, Witton, R.¹, Nelder, R.⁵, Laphorne, D.⁴ ¹Plymouth University, ²Plymouth university, ³Coventry University, ⁴Public Health England, ⁵Plymouth City Council

117 Abdominal adiposity and periodontitis: a Mendelian randomisation study
Linden, G. J., Winning, L., Lundy, F., Kee, F., Patterson, C. Queen's University Belfast

118 Impact of type-1 diabetes and periodontal status on life quality.
Desai, R.^{1,2}, Taylor, J.^{1,2}, McCracken, G.², Preshaw, P.^{1,2}
¹Institute of Cellular Medicine, School of Dental Sciences, Newcastle University, Newcastle upon Tyne, NE2 4BW., ²Centre for Oral Health Research, School of Dental Sciences, Newcastle University, Newcastle upon Tyne, NE2 4BW.

119 The association between periodontal pathogens and measures of adiposity
Winning, L., Patterson, C. C., Lundy, F. T., Kee, F., Young, I., Linden, G. J. Queen's University Belfast

120 Multilevel analysis of explanatory mechanisms in the relationship between income inequality and use of dental services
Bhandari, B., Newton, J., Bernabe, E. King's College London dental institute

121 Global burden of oral and oropharyngeal diseases in 2010 as reflected in <i>Cochrane Database of Systematic Reviews

Nasser, M.¹, karimkhani, C.², Dellavalle, R.³ ¹Plymouth University Peninsula Schools of Medicine and Dentistry, ²Columbia University College of Physicians and Surgeons, ³Denver VA Medical Center

Wednesday, 16/09/2015 09:00 AM-10:30 AM Syndicate Room C
Periodontology Orals Chair: Taylor, J. J.

122 A nano-biosensor for chair side monitoring of salivary MMP-8 in periodontitis

Taylor, J. J.¹, Jaedicke, K.¹, Williams, R. C.¹, Bissett, S.¹, Lansdowne, N.¹, Stone, K.¹, Pickering, K.¹, Neeve, V.², Lawson, V.², Yatsuda, H.², Kogai, T.², Preshaw, P.¹ ¹Newcastle University, ²Oj-Bio Ltd

123 Gingival Toll-like receptor and cytokine mRNA expression in equine periodontitis and oral health

Kennedy, R. S., Lappin, D. F., Bennett, D., Riggio, M. University of Glasgow

124 Identification of novel salivary biomarkers for chronic periodontitis

Khudhur, A. S., Preshaw, P., Taylor, J. J. Newcastle university

125 Zinc modulates IL-1b-stimulated chemokine secretion in human gingival fibroblasts

Michaud, S., Williams, R. C., Taylor, J. J., Valentine, R. A. Newcastle University

126 Treatment of Periodontal Defects with Novel Bioactive Glass Containing Strontium

Hamed, N. A.¹, Hill, R. G.¹, Gillam, D. G.², Karpukhina, N.¹ ¹Queen Mary University of London, ²Queen Mary University of London

127 Ecology of volatile sulfur compound producing microbiota in health and chronic periodontitis

Stephen, A.¹, Gonzales-Marin, C.¹, Gillam, D. G.¹, Burnett, G.², Bradshaw, D.², Allaker, R. P.¹ ¹Queen Mary University of London, ²GlaxoSmithKline

Wednesday, 16/09/2015 09:00 AM-10:30 AM Syndicate Room A
Pulp biology and Stem Cells Chair: Sloan, A.

128 Validation of an ex vivo dental pulp infection model and its responses to triclosan exposure. Natarajan, M., Nishio Ayre, W., Sloan, A., Lynch, C. D., Maillard, J. Cardiff University

129 TNF α -induced p38 MAPK activation regulates TRPA1 and TRPV4 activity in human odontoblast-like cells

El Karim, I.¹, McCrudden, M.¹, Linden, G. J.², Curtis, T.², McGahon, M. K.¹, Abdullah, H.¹, About, I.³, Irwin, C.¹, Lundy, F.¹ ¹Queen's University Belfast, ²Queen's University Belfast, ³Aix University

130 Biodentine™ reduces TNF- α induced TRPA1 expression in odontoblasts

El Karim, I.¹, About, I.³, Curtis, T.¹, Linden, G. J.², Lundy, F.¹ ¹Queen's University Belfast, ²Queen's University Belfast, ³Marseille Université,

131 Microfluidic Production of Stem-Cell Microcapsules for Spinal Cord Regeneration

Hidalgo, L. Cardiff University

132 Exploring a role for biglycan in regulating the regenerative potential of mesenchymal stem cells in bone repair

Battersby, P., Sloan, A., Waddington, R. Cardiff University

133 Development of 3D artificial niches for regenerative medicine

Ortega Asencio, I., Passley-Biggins, A. S., Thomson, O., Santocildes-Romero, M. E., Crawford, A., Hatton, P. The University of Sheffield

Wednesday, 16/09/2015 10:30 AM-12:00 PM Assembly Room Poster Area

Wednesday Posters

134 Multilevel Principal Component Analysis (mPCA) for Shape Analysis: Initial Applications to Dental Research

Farnell, D. J., Popat, H., Richmond, S. Cardiff University

135 Anatomical Variation At The Sites Of Autogenous, Mandibular Graft Harvest

Hamid, L.¹, Adams, R.¹, Binney, A.¹, Claydon, N. C.³, Farnell, D. J.², Thomas, D. W.¹ ¹Cardiff University, ²Cardiff University, ³University of Wales

136 Feasibility of endoscope assisted surgery on oral and maxillofacial diseases with minimal incisions and invasion

Lai, Q.^{1,2}, yuan, K.¹, luo, S.¹, Yang, Z.¹, Tang, X.¹, Ci, J.¹, zhang, z.¹ ¹The second hospital of Shandong University, ²Peninsula Schools of Medicine and Dentistry, Plymouth University

137 Epoxy-Tiglanes Modulate Dermal Fibroblast-Myofibroblast Wound Healing Responses and Reduce Scarring

Dally, J.¹, Moses, R.¹, Midgley, A. C.¹, Howard-Jones, R.¹, Errington, R.¹, Reddell, P.², Steadman, R.¹, Moseley, R.¹ ¹Cardiff Institute of Tissue Engineering & Repair (CITER), School of Dentistry, ²QBiotics Ltd.

138 Effectiveness of Dexamethasone in Treatment of Oral Mucocele: A Case Series. Maharjan, i. k. B.P koiral institute of Health Science

139 Markers of disease activity and progression in Sjögren's syndrome

Jazzar, A., Shirlaw, P., Carpenter, G., Proctor, G. Kings College

140 The Perception Of Aesthetic Outcomes Of Dental Implant Restoration

Roopra, M., Claydon, N. C., Binney, A., Farnell, D. J., Thomas, D. W., Adams, R. Cardiff University

141 Epoxy-tiglanes Stimulate Keratinocyte Proliferative and Migratory Responses, Enhancing Wound Re-epithelialisation.

Moses, R.¹, Boyle, G.², Reddell, P.³, Steadman, R.¹, Moseley, R.¹ ¹Cardiff University, ²QIMR Berghofer Medical Research Institute, ³QBiotics Ltd.

142 Hepatocyte Growth Factor Enhances Oral Mucosal Fibroblast Wound Healing Responses

Dally, J.¹, Khan, J. S.¹, Charalambous, C.¹, John, H. L.¹, Woods, E. L.², Steadman, R.³, Midgley, A. C.⁴, Moseley, R.¹ ¹Cardiff University, ²Institute of Nephrology, ³Institute of Nephrology, ⁴Institute of Nephrology

143 Randomised Clinical Trial of Biotène® Oral Rinse and Spray Efficacy

Akwagyiram, I.³, Gossweiler, A.¹, Siddiqi, M.², Bosma, M.³ ¹Oral Health Research Institute, Indiana School of Dentistry, ²InVentiv Health Clinical, ³GSK Consumer Healthcare

144 Extracellular vesicle mediated signalling in oral cancer progression

Ofield, M., Lambert, D., Hunt, S. University of Sheffield

145 Fibroblast 'activation' by media flow in cells of skin and oral origin.

Nithianathan, S., Crawford, A., Lambert, D., Whawell, S. University of Sheffield

146 Activin A controls angiogenesis and influences oral squamous cell carcinoma development

Oliveira, C. E.¹, Cervigne, N. K.^{1,2}, Macedo, C. C.¹, Leme, A. F.³, Graner, E.¹, Lambert, D.⁴, Coletta, R. D.¹ ¹State University of Campinas, ²Faculty of Medicine of Jundiai, ³Brazilian Biosciences National Laboratory, ⁴University of Sheffield

147 The Role of Oral Cancer-associated Fibroblasts in Promoting Extracapsular Spread.

Pilborough, A., Lambert, D., Farthing, P., Khurram, A. University of Sheffield

148 Goblet cell mucin and the pathogenesis of salivary gland ductal stricture

murtaza, u., McGurk, ., Brown, J., Hobbs, C., Proctor, G. King's College London

- 149 Use of 3D organotypic models of oral squamous cell carcinoma to examine the role of tumour-associated macrophages in tumour progression
Hadley, L., Colley, H. E., Murdoch, C. The University of Sheffield
- 150 The Chemokine Lymphotactin Increases Adhesion and Regulates Expression of Its Receptor In Oral Cancer Cells
Abdullah Zubir, A.¹, Whawell, S.¹, Wong, T.², Khurram, A.¹
¹School of Clinical Dentistry, University of Sheffield, ²University of Sheffield
- 151 Functional expression of scavenger receptors by oral keratinocytes
Chasib, N. H., Colley, H. E., Murdoch, C. University of Sheffield
- 152 Preliminary results of a randomised controlled trial comparing regenerative endodontics versus root end closure with MTA in the management of non-vital, immature, permanent incisors
Gartshore, L., Jarad, F., Fox, K., Albadri, S. Univeristy of Liverpool
- 153 Marginal adaptation of CAD/CAM nanoceramic composite laminate veneers using two preparation designs
Zeitoun, R. M. Faculty of Dentistry Ain Shams University
- 154 Effects of 1% Micro-silicone Dioxide Filler on Soft Liner Mechanical Properties
Abood, A. Z. Middle Technology University, Foundation of Technical Education
- 155 Factors affecting OHRQoL with removable partial dentures: a retrospective cohort study
Ali, Z., Baker, S., Martin, N. University of Sheffield
- 156 Comparative Evaluation of Tricalcium Silicate, Mineral Trioxide Aggregate and Calcium Hydroxide as Dental Pulp Capping Materials: An In-Vivo Study
Agrawal, N. B.P. Koirala Institute of Health Sciences
- 157 A Randomised Clinical Study of the Measurement of Xerostomia Relief
JOSE, A.¹, Skinner, J.², Targett, D.¹, Bosma, M.¹
¹GLAXOSMITHKLINE CONSUMER HEALTHCARE, ²Hill Top Research
- 158 Effects of ductal ligation/de-ligation on mTOR pathway and morphology of salispheres
Saleem, R. A., Proctor, G., Carpenter, G.
King's College London
- 159 Reasons for placement and replacement of restorations: an updated review
Eltahlah, D.¹, Lynch, C. D.², Chadwick, B. L.³, Blum, I. R.⁴, Wilson, N. H.⁴ ¹Cardiff University, ²School of Dentistry, Cardiff University, ³School of Dentistry, Cardiff University, ⁴King's College, London Dental Institute
- 160 Exploratory Study Assessing Oral Health Knowledge Of Teachers In India.
PATIL, V.¹, WESTON-PRICE, S. F.¹, McNulty, C.², HOEKSTRA, B.², pine, c.¹ ¹QMUL Barts and the London School of Medicine and Dentistry, ²public Health England
- 161 Systematic review of the effectiveness of interventions using a component of habit formation theory to improve the uptake of preventive healthcare in adults
Raison, M. H., Corcoran, R., Walley, S., Harris, R. University of Liverpool
- 162 Dental trauma in contact sports: Promoting prevention and emergency management
Dickie, J.¹, Cross, L.² ¹University of Glasgow Dental School, ²Glasgow Dental Hospital and School
- 163 A Structured Literature Review of Oral Health Needs Assessment.
Chestnutt, I. G.¹, Morgan, M.¹, Monaghan, N. P.², Collins, L.¹, Sheppard, L. ¹Cardiff University, ²Public Health Wales, ³NICE
- 164 The investigation of the effect of non-syndromic cleft lip and palate SNPs on lip morphological traits in an epidemiological study
Wilson-Nagrani, C. E.¹, Paternoster, L.², Richmond, S.¹ ¹Cardiff University, ²Bristol University

- 165 The feasibility of alcohol misuse screening and treatment in a primary care general dental practice setting.
Roked, Z. Y., Moore, S., Shepherd, J.
Cardiff School of Dentistry
- 166 Do outcomes in orthodontic research of cleft lip and palate patients reflect patient values?
Tsichlaki, A., Johal, A., Fleming, P. Queen Mary University of London
- 167 The relationship between adolescent's participation in community groups and dental caries in a deprived area in Brazil.
Rebello, M. B.¹, Silva, C. A.³, Rebello Vieira, J. M.¹, Vettore, M. V.² ¹Federal University of Amazonas, ²School of Clinical Dentistry, University of Sheffield, ³Municipal Health Secretariat of Manaus (SEMSA)
- 168 Surface Roughness Measurement of Carious Dentine Using Non-contact Optical Profilometry
Ozel, B.¹, Baysan, A.², Anderson, P.² ¹Istanbul University, ²QMUL
- 169 Interim results investigating frequency of dietary acid intake and erosion.
O'Toole, S., Moazzez, R., Bartlett, D. King's College London
- 170 Antimicrobial Hydrogels For The Control Of Pulpal Disease
Everett, E. P., Waddington, R., Paul, A., Sloan, A. Cardiff University
- 171 *Porphyromonas gingivalis* preferentially invades oral keratinocytes in S phase of the cell cycle.
Al-Taweel, F. B., Douglas, I., Whawell, S. University of Sheffield
- 172 *Porphyromonas gingivalis* Lipopolysaccharide Isoforms Initiate Cytokine Tolerisation Responses in M1 and M2 Macrophages.
Strachan, A., Jackson, S. K., Harrington, Z., McIlwaine, C., Foey, A., Zaric, S. University of Plymouth
- 173 Novel Therapies Against *Candida albicans* Invasion And Biofilm Formation
Jack, A.¹, Pritchard, M. F.¹, Powell, L. C.¹, Onsøyen, E.², Rye, P. D.², Hill, K. E.¹, Thomas, D. W.¹
¹Cardiff University, ²AlgiPharma AS
- 174 Unconventional protein secretion in innate immunity: The role of P2X7R in transglutaminase 2 export and activation
Griffiths, R. M., Adamczyk, M., Jones, A. T., Aeschlimann, D. Cardiff University
- 175 IL-34 suppresses *Candida albicans*-induced TNF- α production in M1 macrophages by down-regulating expression of Dectin-1 and TLR2
Xu, R., Wei, X., Song, B., Williams, D. W. Cardiff University
- 176 An in vitro model for evaluating denture cleaning toothpaste regimes
Marsh, L. L.¹, Williams, D. W.¹, Milward, P.¹, Wilson, M.¹, Lewis, M.¹, Rowe, W.¹, Bamford, S.¹, Bradshaw, D.², Roy, P.² ¹Cardiff University, ²GSK Consumer Healthcare
- 177 Lethal Photosensitisation of *Prevotellaceae* Under Anaerobic Conditions
Strother, M., Creber, H. K., Higham, S. M., Hope, C. K. University of Liverpool
- 178 Investigation Into The Rate of Bacterial Biofilm Removal by NaOCl Irrigant
Mohammed, S. A., Vianna, M. E UCL- Eastman Dental Institute
- 179 Characterisation of a Temperate Phage Residing in the genome of the Anaerobic Bacteria *Fusobacterium nucleatum polymorphum* ATCC 10953
Al-Zubidi, M. I., Gul, S. S., Spencer, M., Nepal, A., Douglas, I., Rawlinson, A., Stafford, G. P. University of Sheffield
- 180 The Localisation Of Fluorescently Labelled OligoG In A Pseudomonas Biofilm
Powell, L. C.¹, Pritchard, M. F.¹, Ferguson, E.¹, Onsøyen, E.², Rye, P. D.², Hill, K. E.¹, Thomas, D. W.¹
¹Cardiff University, ²AlgiPharma AS
- 181 Trends in the antimicrobial susceptibility of anaerobic isolates from dentoalveolar abscesses

Pownall, M. R.¹, Thomas, O. D.², Lewis, M.¹, Williams, D. W.¹, Wilson, M.¹ ¹Cardiff University, ²University Dental Hospital. Cardiff and Vale University Local Health Board

182 The *Candida albicans* protein Ece1p promotes activation of human microvascular endothelial cells <i>in vitro and drives systemic candidiasis in a zebrafish model.

Fantom, A.^{1,2}, Khalaji, M.¹, Tazzyman, S.³, Moyes, D. L.⁴, Wilson, D.⁶, Hube, B.⁵, Naglik, J.⁴, Murdoch, C.¹ ¹University of Sheffield, ²Sheffield Hallam University, ³Dept Oncology, University of Sheffield, ⁴King's College London, ⁵Hans Knöll Institute, ⁶University of Aberdeen

183 Fungal bacterial interactions: from opportunistic pathogen to mutualistic biofilm communities

Rajendran, R.¹, Haggarty, J.¹, Kean, R.¹, O'Donnell, L. E.¹, Williams, C.², Burgess, K.¹, Ramage, G.¹ ¹University of Glasgow, ²University of the West of Scotland

184 Development of a sampling matrix and topic guide for qualitative in-depth interviews exploring the landscape of child protection in dentistry

Park, C. M.¹, Welbury, R.¹, Anderson, P.² ¹University of Glasgow, ²Glasgow School of Art

185 Can Dental Service Utilization Decrease The Occurrence Of Dental Pain?

Constante, H.¹, Peres, M.², Schroeder, F.¹, Bastos, J.¹ ¹Federal University of Santa Catarina, ²The University of Adelaide

Wednesday, 16/09/2015 11:30 AM-01:00PM Syndicate Room D

Evaluation of interventions Chair: Mason, S.

186 A New Fluoride Containing Bioactive Glass Additive For Toothpastes

Hill, R. G.^{4,3}, Gillam, D. G.⁴, D'Onofrio, A.², Mneimne, M.¹, Shah, P.², Karpukhina, N.⁵ ¹Barts & The London, ²Queen Mary Univeristy of London , ³BioMin Technologies, ⁴QMUL, ⁵QMUL

187 Dentifrice Delivery into Dental Plaque Biofilms by High-velocity Microsprays

Fabrizi, S.⁶, Johnston, D. A.¹, Rmaile, A.², Aspiras, M. B.³, de Jager, M.², Starke, M.⁴, Ward, M.⁴, Stoodley, P.^{5,6} ¹Biomedical Imaging Unit, ²Oral Healthcare Research, ³Wm. WRIGLEY Jr. Company, ⁴Philips Oral Healthcare Inc. (POH), ⁵The Ohio State University, ⁶University of Southampton

188 Stain Control Efficacy and Tolerability of an Oral Hygiene Regimen

Creeth, J. E.¹, Milleman, K.², Milleman, J.², Gordon, J.¹, Jain, R.¹, Butler, A.¹ ¹GlaxoSmithKline Consumer Healthcare, ²Salus Research

189 A novel intervention for oral malodour reduction: A randomized clinical trial on the effect of Philips Sonicare TongueCare+ and BreathRx

Gomez-Pereira, P. R.¹, Saad, S.², Hewett, K.², Horstman, P.¹, Patel, J.¹, Greenman, J.² ¹Philips Research, ²University of West of England,

190 The effect of toothbrush abrasion force on dentine hypersensitivity <i>in-vitro

Sehmi, H., Bartlett, D., Olley, R. King's College London

191 Polymer Therapeutics for Sustained, Controllable Release of Growth Factors to Promote Cranial Nerve Repair and Regeneration by Stem Cells.

Ferguson, E.¹, Naseer, S.¹, Powell, L. C.², Zhu, B.¹, Liu, Q.¹, Song, B.³, Thomas, D. W.⁴ ¹Cardiff University, ²Cardiff University , ³Cardiff University, ⁴Cardiff University

Wednesday, 16/09/2015 11:30 AM-01:00 PM Syndicate Room B

Microbiology Orals Chair: Williams, D.

192 Influence Of Nanopatterning On Oral Bacteria Adhesion onto Surfaces

Aguayo, S.¹, Dalby, M.³, Gadegaard, N.³, Donos, N.², Spratt, D.⁴, Bozec, L.¹ ¹UCL Eastman Dental Institute, ²UCL Eastman Dental Institute, ³University of Glasgow, ⁴UCL Eastman Dental Institute

193 Dentures: a pathogenic reservoir for respiratory pathogens

Hannah, V. E.¹, O'Donnell, L. E.¹, Smith, K.^{2,1}, Nile, C. J.¹, Lappin, D. F.¹, Dickie, J.¹, Calvert, G.¹, Robertson, D.¹, Bagg, J.¹, Ramage, G.¹ ¹University of Glasgow, ²University of West Scotland

194 Development of an <i>In-Vitro Tissue Model for Biofilm Infection

Morse, D. J.¹, Williams, D.², Wei, X.⁴, Wilson, M.³, Lewis, M.⁶, Bradshaw, D.⁵ ¹Cardiff University, ²Cardiff University, ³Cardiff University, ⁴Cardiff University, ⁵GlaxoSmithKline, ⁶Cardiff University

195 Interleukin-24 Is Expressed In Gingival Fibroblasts And Promotes Keratinocyte Interleukin-17

Williams, R. C., Serrage, H., Rowan, A. D., Preshaw, P., Taylor, J. J. Newcastle University

196 Cholinergic modulation of <i>Candida albicans pathogenic potential

Rajendran, R.¹, O'Donnell, L. E.², Lappin, D. F.³, Ramage, G.⁴, Nile, C. J.¹ ¹University of Glasgow, ²University of Glasgow, ³Dental School, ⁴Dental School

197 Periodontal Pathogens and their Sialidases

Frey, A. M.¹, Phansopa, C.¹, Parker, J.¹, Pratten, J. R.², Middleton, A.², Patel, N.², Douglas, I.¹, Murdoch, C.¹, Stafford, G. P.¹ ¹The University of Sheffield ²GlaxoSmithKline

Wednesday, 16/09/2015 11:30 AM-01:00 PM Assembly Room

MINTIG Symposium Chair: Al-Jawad, M.

Sponsored by Colgate Oral Health Network

Emerging technologies for understanding and mimicking dental hard tissue growth: Early Career Researchers Focus

Dr Wayne Nishio Ayre (Cardiff University)

Delivery of osteogenic molecules to encourage regenerative bone repair around polymeric biomaterials

Dr Yvonne Pang (Kings College London)

A stem cell niche at the tip of mouse incisors regulates homeostatic tissue repair

Kseniya Shuturminska (Queen Mary University of London)

Use of elastin-like proteins in understanding and controlling apatite mineralisation

Dr Colin Freeman (University of Sheffield)

Understanding the early stages of Apatite Growth

Wednesday, 16/09/2015 11:30 AM-01:00 PM Syndicate Room A

Oral Health Promotion Orals Chair: Kay, E. J.

198 A Review of Approaches for Dental Practice Teams for Promoting Oral Health

Kay, E. J.², Vascott, D.¹, Hocking, A.¹, Helen, N.³, Charles, D.¹, Scales, H.¹ ¹Plymouth University, ²Plymouth university, ³British Dental Association

199 Economic Evaluation of public health interventions to reduce caries in children at high risk

Kay, E. J.¹, Owen, L.², Sheppard, L.², Taylor, M.³, Claxton, L.³ ¹Plymouth university, ²National Institute for Health and Care Excellence, ³York Health Economic Consortium

200 Feasibility of screening for diabetes in General Dental Practice

Bould, K. J., Dunne, S., Scott, S., Asimakopoulou, K. King's College London

201 Urinary fluoride excretion in children aged 4-5 years living at low and high altitude in Nepal
Sah, O. P.¹, Atkinson, G.², Maguire, A.³, Zohoori, V.⁴ ¹Health and Social Care Institute, Teesside University, ²Health and Social Care Institute, Teesside University, ³Centre for Oral Health Research, School of Dental Sciences, Newcastle University, ⁴Health and Social Care Institute, Teesside University

202 Head Injuries in Early Childhood: Is There a Social Gradient?
Letelier, A. University College London

203 The impact of oral health risk indicator labels on prevention uptake
Sharma, S.¹, Vernazza, .², Steele, J.^{2,3}, Finch, T.⁴ ¹NEWCASTLE UNIVERSITY, ²Newcastle university, ³Oral Health Services Research, ⁴Institute of Health and Society

Wednesday, 16/09/2015 1:00PM-02:00 PM MINTIG group lunch, venue TBC

Wednesday, 16/09/2015 1:00PM-02:00 PM OMIG group lunch, venue TBC

Wednesday, 16/09/2015 1:00PM-02:00 PM DMG group lunch, venue TBC