

OMIG Scientific Meeting
Gregynog Hall, Wales
12th-14th March 2014

OMIG Oral microbiology and immunology group



Johnson & Johnson



Wednesday 12th March

4.00pm onwards: delegates arrive
6.30pm: bar opens
7.00pm: dinner

Thursday 13th March

9.15: WELCOME – Dr Marcello Riggio

Session 1: Candida species (Chair: Professor Gordon Ramage)

9.30: *Candida albicans Ece1p is a putative pore-forming toxin that damages oral epithelial cells* (Dr Jonathan Richardson, King's College Dental Institute, London)

10.10: *Strain dependent extracellular DNA release affects Candida albicans biofilm formation and antifungal sensitivity* (Dr Ranjith Rajendran, Dental School, University of Glasgow)

10.50: TEA / COFFEE

11.20: *The effect of the interaction between Candida albicans yeasts and hyphae and Enterococcus faecalis on sodium hypochlorite treatment* (Ms Ilona Persoon, ACTA, Amsterdam)*

11.45: *Carbohydrate-derived fulvic acid (CHD-FA) is a potential novel therapy for the management of oral biofilm infections* (Miss Leighann Sherry, Dental School, University of Glasgow)*

12.10: LUNCH

Session 2: Microbial interactions and biofilm formation (Chair: Dr Dave Spratt & Professor David Williams)

13.15: *The investigation of two methods for mapping hydrogen-ion concentration in dental biofilms* (Mr Dallas Roulston, UCL Eastman Dental Institute, London)*

13.40: *Spectral shifts in the fluorescence of Prevotella intermedia in response to pH* (Dr Chris Hope, School of Dentistry, University of Liverpool)

14.20: *Personalized microbial network inference via multi-view clustering of oral metagenomics data* (Mr Sultan Imangaliyev, ACTA, Amsterdam)*

14.45: TEA / COFFEE

15.15: *Gene expression analysis of S. mutans UA159 present in carious lesions* (Dr Thuy Do, Leeds Dental Institute, University of Leeds)

15.55: *Functional and structural studies of Streptococcus fibrillar adhesin CshA* (Ms Catherine Back, School of Oral & Dental Sciences, University of Bristol)*

16.20: *Biting the hand that feeds you: sialic acid utilisation at the host interface* (Dr Graham Stafford, School of Clinical Dentistry, University of Sheffield)

17.00: *Oral microorganisms in endotracheal tube biofilm formation in critically ill patients* (Ms Kirsty Sands, School of Dentistry, Cardiff University)*

17.25: SESSION ENDS

19.00: CONFERENCE DINNER

20.30: Poster prize session (includes wine reception)

Friday 14th March

Session 3: Oral and epithelial cell responses (Chair: Dr Chris Nile)

9.30: Plenary Lecture – ‘Oral epithelium’: a key orchestrator of periodontal disease? (Dr Mike Milward, School of Dentistry, University of Birmingham)

10.20: The *in vitro* effects of bisphosphonates on epithelial cells; uncovering the mechanisms linking BPs and BRONJ (Mr Amged Elmesllati, Leeds Dental Institute, University of Leeds)*

10.45: TEA / COFFEE

11.15: *Epithelial mechanisms in the microbial pathogenesis of periodontal disease* (Ms Simona Iancu, King's College Dental Institute, London)*

11.40: *Immunomodulation of epithelial cells by oral biofilms is influenced by biofilm composition* (Miss Emma Millhouse, Dental School, University of Glasgow)*

12.05: DISCUSSION - All

13.00: END OF MEETING AND PACKED LUNCH

14.00: DELEGATES DEPART

*Postgraduate student.

Postgraduate oral prize is sponsored by GlaxoSmithKline.

Poster session prize is sponsored by Johnson & Johnson.