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PhD student and Clinical Lecturer in Periodontology

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About

Martin Robert Ling is currently a PhD student and Clinical Lecturer in Restorative Dentistry (Periodontology) at the University of Birmingham School of Dentistry within the College of Medical and Dental Sciences.

Martin is researching the role of the neutrophil in periodontal host inflammatory-immune defence following successful funding from the Oral and Dental Research Trust, British Society of Periodontology and the Royal College of Surgeons of England.

Martin also teaches undergraduate Dental and Dental Hygiene and Therapy students, and has obtained his Fellowship of the Higher Education Academy

Qualifications

- Ph.D Dentistry (2008-current)
- FHEA Teaching 2011
- AHEA, Associate Membership of the Higher Education Academy 2009.
- Part I PGCLTHE with distinction, Postgraduate Certificate in Learning and Teaching in Higher Education, University of Birmingham, 2009
- MFGDP(UK), Membership of the Faculty of General Dental Practice (UK), Royal College of Surgeons of England, 2007
- MFDS RCS(Eng), Membership of the Faculty of Dental Surgery, Royal College of Surgeons of England, 2007
- BDS, Dentistry, University of Birmingham, 2004

Biography

Martin graduated with BDS Dentistry in 2004 from the University of Birmingham School of Dentistry.

Following graduation Martin completed Dental Vocational Training prior to working as Associate Dental Surgeon within Birmingham, followed by his appointment as Senior House Officer at Birmingham Dental Hospital in 2006.

In 2008 Martin was appointed as a Clinical Lecturer in Restorative Dentistry (Periodontology) at the University of Birmingham School of Dentistry, and he is currently studying for a PhD investigating the role of the neutrophil in periodontal host inflammatory-immune defence. Martin has been successful in obtaining funding from grant applications, and has presented his research both nationally and internationally winning both the inaugural Dr John Zamet Memorial Prize in Periodontal Research awarded from the Alpha Omega London Chapter and Charitable Trust in 2012, along with the Sir Wilfred Fish Research Prize awarded from the British Society of Periodontology in 2013.

Martin teaches undergraduate Dental and Dental Hygiene and Therapy students both clinically and academically. Martin is involved in all aspects of teaching including lectures, small group teaching, clinical supervision and examination organising and marking, and is also a Personal Tutor for the School of Dentistry. Martin is also an Examiner for the Diploma of Membership of the Joint Dental Faculties (MJDF RCS.Eng) at the Royal College of Surgeons of England. Martin successfully obtained his Fellowship of the Higher Education Academy in 2011.

Teaching

- BDS Dentistry
- BSc Dental Hygiene & Therapy

Research

Martin's PhD predominantly investigates the role of the neutrophil in periodontal host inflammatory-immune defence with an additional area of research investigating C-Reactive Protein that together adds to the understanding of the dynamic relationship between oral and systemic health.

His specific research areas of interest include neutrophil reactive oxygen species, extracellular trap, cytokine release and chemotactic accuracy, as well as the structure and function of C-Reactive Protein as a systemic inflammatory marker.

Other activities

- Examiner for Diploma of Membership of the Joint Dental Faculties (MJDF RCS.Eng) of the Royal College of Surgeons of England
- Mentor for the Postgraduate Certificate in Academic Practice (PCAP) for the University of Birmingham
- Organiser for the Academic Enrichment Programme for the University of Birmingham on behalf of the School of Dentistry
- Member of the E-Learning and Ecourse Comm ittee
- Referee and Reviewer for the British Dental Journal and Dental Update
- Birmingham University Dental Student's Society (BUDSS) Staff President 2012-13

Publications

Ling MR, Chapple IL, Creese AJ, Matthews JB (2013), Effects of C-reactive protein on the neutrophil respiratory burst in vitro. Innate Immun [Epub ahead of print] doi: 10.1177/1753425913493199

Matthews JB, Chen FM, Milward MR, Ling MR, Chapple IL (2012), Neutrophil superoxide production in the presence of cigarette smoke extract, nicotine and cotinine. J Clin Periodontol 39(7): 626-634

Palmer LJ, Cooper PR, Ling MR, Wright HJ, Huissoon A, Chapple IL (2012), Hypochlorous acid regulates neutrophil extracellular trap release in humans. Clin Exp Immunol 167(2): 261-268

Grant MM, Creese AJ, Barr G, Ling MR, Scott AE, Matthews JB, Griffiths HR, Cooper HJ, Chapple IL (2010), Analysis of a noninvasive human model of acute inflammation and its resolution: the twenty-one day gingivitis model. J Proteome Res 9(9): 4732-4744

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