

## **Speakers' CVs and Abstract of Papers**

Dr. Stephen Flint is Senior Lecturer and Consultant in Oral Medicine at Trinity College Dublin Dental School and Hospital. **He qualified in Dentistry at the University of London in 1976, and in Medicine in 1985. In 1979 he obtained his Fellowship in Dental Surgery from the Royal College of Surgeons, London, a Ph.D from the University of Bristol in 1990 and MA from the University of Dublin in 1992. He is also a Fellow of the Faculty of Dentistry, Royal College of Surgeons Ireland. Dr. Flint has published over 50 peer reviewed scientific papers in the area of oral medicine and oral cancer, Sjogren's syndrome, oral manifestations of systemic diseases and DNA molecular biology. He has contributed to 10 textbooks and chapters in books, and his Atlas of Stomatology was translated into 5 languages, won several medical publishing awards and is in the third edition this year.**

Dr. Flint's lecture on **Extra-oral Diagnosis: The holistic approach**, starts with the premise that the field of dentistry has been artificially separated from medicine. Many systemic diseases with oral manifestations do not make this distinction. Dr. Flint will demonstrate through his lecture how a thorough, systematic extra-oral examination can help us to predict what we will find in a patient's oral cavity.

**Professor R. J. McConnell is Professor of Restorative Dentistry and Head, Dental School and Hospital, University College Cork.** He qualified in BDS, National University of Ireland, has a Fellowship of the Faculty of Dentistry, RCS Ireland, and a Ph.D from the Mechanical Engineering Department at Trinity College Dublin. Professor McConnell has been a lecturer in Restorative Dentistry, Dublin Dental School, and Associate Professor and Chairman of Biomaterial Science at the Faculty of Dentistry, University of Western Ontario.

Professor McConnell has written numerous articles on bonding systems and lectured extensively on dental materials. He was appointed Assistant Dean, Academic, Faculty of Dentistry, University of Western Ontario in July 1993. Professor McConnell returned to Ireland in August 1995 to take up the position of Professor of Restorative Dentistry at University College Cork, and in 1999 was appointed Head of Dental School and Hospital.

**Professor McConnell's lecture** will look at the dynamic pace of progress seen in the field of dental material science, which has become a major factor in the decision making process when restoring the patient in 2003. A large number of different adhesive products and techniques are available for bonding to substrates, such as enamel technique for the various clinical situations that we encounter today?, dentine, metal and resin. The relationship between the nature of the substrate, adhesive and technique often leads to uncertainty when carrying out clinical work. The question is posed, have we yet developed the optimal bonding

This lecture will assess the impact of bonding, on restorative dentistry over two decades, and hypothesize what might lie ahead over the next twenty years.

**Professor Brian O'Connell is Professor of Restorative Dentistry and Director of the Postgraduate Prosthodontics Programme at Trinity College, Dublin.** Professor Brian O'Connell received his undergraduate degree in dentistry at the National University of Ireland, University College Cork, and undertook his postgraduate training in Prosthodontics and Biochemistry at the Eastman Dental Center, University of Rochester, USA. He was Head of the Gene Regulation and Expression Unit, Gene Therapy and Therapeutics Branch, NIDCR, Bethesda, and is a Diplomate of the American Board of Prosthodontics. He is currently Professor of Restorative Dentistry and Director of the Postgraduate Prosthodontics programme at Trinity College Dublin, with a clinical emphasis on multidisciplinary care.

Professor O'Connell's research interests include the development of gene transfer for oral diseases and for bioengineering.

In his lecture **Bioengineering: Restorative Dentistry in the Molecular Age**, Professor O'Connell will point out the constant reminders that the molecular age is upon us, and how the human genome project marks a new beginning in understanding human function and disease. The genes responsible for several oral diseases have already been identified. However, clinical dentistry has not yet been influenced much by this new information and technology. Recent advances such as genetic screening, gene therapy, bioengineering and biomimetics may one day become part of everyday dental practice. This presentation will explore the use of new technologies that are relevant to oral health and restorative dentistry.

**Dr. David Hussey is Senior Lecturer/Consultant in Restorative Dentistry at Queen's University, Belfast.** Dr. Hussey was born in Omagh, Co. Tyrone, Northern Ireland. He graduated from Queen's University, Belfast in 1978. Following appointments in Hospital Dentistry and General Dental Practice he completed his Fellowship of the Royal College of Physicians and Surgeons (Glasgow) in 1984. In 1986/87 he was a Visiting Professor in the Division of Fixed Prosthodontics, University of Western Ontario, Canada, working with Professor Ron Jordan and Dr. Don Gratton. Dr. Hussey completed his Ph.D in 2000 on the subject of resin bonded bridgework. Since 1989 Dr. Hussey has held the post of Senior Lecturer/Consultant in Restorative Dentistry at Queen's University, Belfast, where he runs the Total Patient Care unit for senior undergraduate students. He also accepts general restorative referrals from dental practitioners and contributes to the training of postgraduates in clinical and academic areas. His wide research interests include resin bonded bridgework, toothwear, endodontics and aesthetic dentistry.

Dr. Hussey will talk on **Endodontics in 2003: Modern approaches to diagnosis, preparation and obturation.** The modern practice of endodontics has developed rapidly in the past 25 years. The advancement of the speciality has been assisted by academic research and also by mechanical devices to help the clinician cope with a range of complex cases. This presentation will discuss diagnosis, electronic apex locators, modern preparation techniques and current methods of obturation.

Dr. P. J. Byrne is in referral practice in Periodontology and Oral Surgery in Dublin, and lectures in Periodontology Trinity College Dental School. **He was born in Cork (Ireland) and graduated in Dentistry from University College, Cork, in 1982. From 1982 to 1989 he held appointments in Oral Surgery in the Dublin Dental Hospital and the Royal Shrewsbury Hospital. In 1990 he was awarded an M.Sc in Periodontology with distinction, from the University of London, and was awarded the Sir Wilfred Fish Research Prize in Periodontology by the British Society of Periodontology. From 1990-1991 he was Registrar in the Department of Periodontology at the Eastman Dental Institute, London. In 1991 he was elected FDS, Royal College of Surgeons, Edinburgh, and FFD, RCS Ireland.**

**Dr. Byrne has been in referral practice in Periodontology and Oral Surgery in Dublin since 1991, and is a lecturer in Periodontology at Dublin Dental Hospital. He is a past President of the Irish Society of Periodontology and has been Director of the Programme for Clinical Dental Photography since 1998. Dr. Byrne lectures to undergraduate and postgraduate dental students, to dental hygiene students, and on the Continuing Dental Education Course at Dublin Dental Hospital, as well as giving invited presentations nationally and internationally.**

Dr. Byrne's lecture will look at **Soft Tissue Assessment in Implant Treatment**, and will in particular review assessment for implant treatment in the aesthetic zone of the anterior maxilla, and will focus on a detailed soft tissue assessment pre-operatively. The classification of hard and soft tissue loss will be outlined as part of the diagnostic process and will be illustrated with a number of clinical cases. The benefit of using high quality clinical photography in the pre-operative assessment for implant treatment in this zone will be demonstrated.