



Keith D Hunter

**BSc (Hons), BDS (Hons), FDS RCSEd, PhD,
FRCPath**

Current appointment:

Clinical Senior Lecturer in Oral and Maxillofacial Pathology

Institution/ University where currently appointed:

School of Clinical Dentistry, University of Sheffield, UK

Areas of special interests:

Diagnostic histopathology, tooth and odontogenic pathology, cellular and molecular biology of head and neck cancer

Web links:

http://www.shef.ac.uk/dentalschool/internal_resources/profiles/hunter

Dr Keith Hunter is Clinical Senior Lecturer in Oral and Maxillofacial Pathology at the University of Sheffield. He completed his PhD at the prestigious CRUK Beatson Institute for Cancer Research in Glasgow and following postdoctoral work and the completion of clinical training (in part under the guidance of the late Professor Gordon MacDonald) was appointed as Senior Clinical Lecturer and Consultant Histopathologist at the University of Glasgow in 2008. He moved to the University of Sheffield in 2009. His research has focused for over 10 years on the transcriptional changes seen in the various stages in the development of oral precancer and cancer with a particular interest in the control of cellular immortalization of oral keratinocytes. He is the author of 37 peer reviewed articles and has also contributed to a number of books including "Biotargets of Cancer in Current Clinical Practice" (Springer, 2012), the Dictionary of Pathology (Springer anticipated 2013/14) and co-edited a recent issue of Perio2000 on Oral Tumours. Currently, he is Leader of the Integrated Biosciences Research Group within the School of Clinical Dentistry (a multidisciplinary group with 14

PIs) and leads a research group of 6 PhD students, 2 Masters project students, one intercalating BMedSci student. He has been involved in a number of pan-European and international projects in head and neck cancer and was a co-author of The European Joint Practice guidelines for radionuclide lymphoscintigraphy for sentinel node localization in oral/oropharyngeal squamous cell carcinoma. In addition to his research profile, he is also Clinical Lead for the diagnostic Oral and Maxillofacial Pathology service for Sheffield Teaching Hospitals NHS Trust. Dr Hunter is also active in oral cancer research and Oral and Maxillofacial Pathology nationally and internationally.

Recent/ significant publications

- Wood HM, Bolt R, **Hunter KD**. Is next-generation sequencing an important tool in HPV subtype diagnosis? *Expert Rev Mol Diagn.* 2012 Sep; 12(7):663-5.
- Rauch J, Moran-Jones K, Albrecht V, Schwarzl T, **Hunter K**, Gires O, Kolch W (2011) c-Myc regulates A-Raf kinase splicing and ERK pathway activation. *Cancer Research*, 71:4664-4674.
- Thurlow JK, Peña Murillo CL, **Hunter KD**, Buffa FM, Patiar S, Betts G, West CML, Harris AL, Parkinson EK, Harrison PR, Ozanne BW, Partridge M, Kalna G. Spectral clustering of microarray data elucidates the roles of microenvironment remodelling and immune responses in survival of head and neck squamous cell carcinoma. *J Clin Oncol.* 2010 Jun 10; 28(17):2881-8.
- **Hunter KD**, Thurlow JK, Fleming J, Drake PJ, Vass JK, Kalna G, Higham DJ, Herzyk P, Macdonald DG, Parkinson EK, Harrison PR. (2006) Divergent routes to oral cancer. *Cancer Res*; 66(15):7405-13.
- **Hunter, KD**, Parkinson, EK and Harrison, PR (2005). Profiling early head and neck cancer. *Nature Rev Cancer*, 5, 127-35.