



# International Lecture Series

## Disease Biology and Molecular Medicine

ALL WELCOME!



### Prof. Bass Hassan

Professor of Medical Oncology, Oxford Institute for Molecular Pathology, Sir William Dunn School of Pathology. Fellow of Lincoln College, University of Oxford.

Head of the Sarcoma and Teenage and Young Adult Oncology Unit and Consultant Medical Oncologist, Oxford Cancer and Haematology Centre, Churchill Hospital, Oxford University Hospital NHS Foundation Trust.

7 May 2018  
19:00 h

Historischer Saal  
Stadtmuseum Halle

Christian-Wolff-Haus  
Große Märkerstr. 10  
(ca. 100 m from  
market square)

### “Structure, Function and Translation of IGF System in Cancer”

Bass received a BSc (Hons) in Medical Sciences and Physiology from the University of London in 1984, as well as a Baccalaureate in Medicine (BM) and Surgery (BCh) from the University of Oxford in the same year. In 1990 he became a Member of the Royal College of Physicians (UK) and in 2008 a Fellow (FRCP). He completed his D.Phil. at Oxford in 1994. From 1998 he worked as an Honorary Consultant Medical Oncologist in Birmingham and Oxford, before being appointed as the Chair of Adult Oncology in Bristol from 2003 to 2006. From 2006 onwards he worked as a CRUK Clinical Scientist and Consultant Medical Oncologist in Oxford and in July 2009 he was appointed to his current professorial post, initially heading a research team at the Sir David Weatherall Institute of Molecular Medicine and subsequently relocating to his current institute, the Sir William Dunn School of Pathology.

His research interests address interactions between the growth promoting function of the ligand, insulin-like growth factor 2, and its non-signalling IGF2 receptor. Genetic models of the IGF system have established the key role of this signalling pathway in tumour growth control. This provides an excellent basis to study how tumour progression is orchestrated in vivo, from pre-malignant changes to established tumours, and how this information can be translated to human cancer prevention, diagnosis and treatment. Current projects include: Structure and function of the IGF2 receptor; functional genetics of Igf2 and Igf2r and tumour growth control; development of soluble human IGF2 receptor as an IGF2 ligand trap and structure and function of the RE-1 silencing repressor transcription complex.

#### Selected publications

Dutton et al. 2018, Stat Methods Med Res 27: 1451-1463. McCarthy et al. 2017, Clin Sarcoma Res 7:19. Matheson et al. 2016, Oncotarget 7: 69883-69902. Frago S et al. 2016, PNAS 113: E2766-75. Barnes et al. 2016, BMC Cancer 16: 629. Aleksic et al. 2016, Front Oncol 6: 98. Bühnemann, C et al. 2014, PlosOne 9: e107105. Williams, C et al. 2012, Science 338: 1209-13.



Medizinische Fakultät  
Martin-Luther-Universität Halle-Wittenberg

Contact: [stephan.feller@uk-halle.de](mailto:stephan.feller@uk-halle.de)



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