

WP2 – Novel therapeutical applications of the CaSR in diseases of ageing

Dr Fadil Hannan

Senior Clinical Lecturer
University of Liverpool

Prof Rajesh Thakker FRS

May Professor of Medicine
University of Oxford

Personal background

- Trained as a medically qualified Clinical Chemist in London and Oxford – clinically involved in managing patients with bone and mineral disorders
- Undertook a PhD in the laboratory of Prof Rajesh Thakker. Funded by the UK Medical Research Council (MRC) to work on disorders of the calcium-sensing receptor
- Postdoctoral studies at Oxford University as an NIHR Clinical Lecturer – involved in Multifaceted CaSR ITN
- Currently working at the University of Liverpool as a Senior Clinical Lecturer in Musculoskeletal Biology and Honorary NHS Consultant Clinical Chemist

Research Interests - FHH and ADH

Disorders:

Key publications by Hannan & Thakker:

FHH type 1 -

HMG 2012

FHH type 2 -

NEJM 2013, JBMR 2016, JBC 2016

FHH type 3 -

Nat Genet 2013, HMG 2015, NEJM 2016

ADH type 1 -

HMG 2012, Endocrinology 2015

ADH type 2 -

NEJM 2013, JBMR 2016, JBC 2016

Two linked CaSR-Biomedicine projects will be undertaken at Oxford and Liverpool

University of Liverpool

- Project will be undertaken at the Institute of Ageing and Chronic Disease (IACD)
- IACD has 3 departments:
 - Musculoskeletal biology
 - Obesity and Endocrinology
 - Eye and vision sciences



APEX building, University of Liverpool

University of Oxford

- Project will be undertaken at Oxford Centre for Diabetes, Endocrinology and Metabolism (OCDEM) and the MRC Harwell Centre for Mouse Genetics



OCDEM, University of Oxford

Expectations of participating in CaSR- Biomedicine ITN

- Opportunity to provide training and mentorship to high-calibre early stage researchers
- Personal development as a PI
- Generate high quality publications and grant income
- Access to consortium resources and expertise
- Develop long-lasting interdisciplinary collaborations