

# Guest Lecture

Monday June 17<sup>th</sup>, 13:15  
Department of Biochemistry and Molecular Biology  
BMB seminar room

## **“Time for a change: Circadian factors in human metabolic health”**

### **David Ray**

Professor of Endocrinology, and Head, Oxford Centre for Diabetes, Endocrinology and Metabolism, University of Oxford.

Davis Ray trained in general medicine, endocrinology, and obtained a PhD in neuroendocrinology. He worked in Manchester, Liverpool, and at UCLA. In 2018, he moved to the University of Oxford as head of the Oxford Centre for Diabetes, Endocrinology and Metabolism and co-director of the Sir Jules Thorn Sleep and Neuroscience Research Institute. Ray recognized the relevance of circadian biology to clinical medicine, forming an international consortium to study sleep and chronotype genes using the UK Biobank. His work has led to high-profile discoveries linking sleep with neuropsychiatric traits. He pioneered circadian approaches to inflammation analysis, identifying the circadian clock's role in macrophages and discovering the first small molecule clock acting compound. His research spans lung and joint inflammatory diseases, uncovering the circadian clock's anti-inflammatory role and its regulation of glucocorticoid action. Ray now leads an NIHR program to develop interventions for NHS shift workers based on his circadian discoveries. He has also served on the MRC clinical fellowship panel and held positions in the Society for Endocrinology.

#### Host:

Associate Prof. Lars Grøntved  
Functional Genomics & Metabolism Research Unit  
Center for Functional Genomics and Tissue Plasticity (ATLAS)  
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