**PROFESSOR STAFFORD LIGHTMAN**

Stafford Lightman is Professor of Medicine at the University of Bristol (MBBChir, PhD(Cantab), FMedSci, FRCP) and a world-leading capacity in studies of *rhythmic activation of neuroendocrine response systems*, particularly the hypothalamo-pituitary-adrenal (HPA) axis.

His research focuses on the mechanisms through which the *brain recognizes environmental stress and disease*, and how the HPA-axis provides digital as well as analogue signals to glucocorticoid responsive tissues throughout the body. His clinical studies are concentrated on novel ways of *administrating glucocorticoid replacement to patients with adrenal insufficiency* and the *development of systems to assess stress responses in disease* and in patients undergoing surgery.

We wish you all welcome to this exciting seminar!

Research keywords:Circadian and ultradian rhythms, Hypothalamo-pituitary-adrenal axis, Glucocorticoid signalling.

Diseases related to this field of research:Stress related disorders, Depression, Sleep apnoea, Addison’s disease, Cushing’s disease.