

# **ICM Research Seminar**

## **Wednesday 28<sup>th</sup> February**

**Dr Sophie Cassidy**

(Prof Michael Trenell)

### **Lifestyle and cardio-metabolic disease: exploring how the UK Biobank provides us with novel insights**

Lifestyle behaviours are important in the management of obesity and cardio-metabolic disease, as demonstrated from our laboratory studies and recently demonstrated on the BBC 'How to Stay Young' documentary. In this talk I will demonstrate how the UK Biobank large dataset is a useful tool for providing novel insights into lifestyle related behaviours and chronic disease.

**Rory Morrison**

(Prof. Mike R Reed, Mr Kenny S Rankin)

### **The influence of Vitamin D on outcomes following total hip and knee replacement**

190,000 total hip (THR) and knee (TKR) replacements are carried out each year in the UK, but up to 20% of patients remain dissatisfied following surgery; vitamin D deficiency is common and insufficient levels have been suggested as a cause of adverse outcomes following THR/TKR. The aims of this work are to explore the prevalence of Vitamin D deficiency in the local population, investigate the relationship between Vitamin D status and outcome after THR/TKR using patient reported scores, and, with a randomised controlled feasibility trial, investigate if Vitamin D deficiency is a modifiable risk factor to improve outcome after THR/TKR.

**Chair: Ana Ribeiro**

**Dental Lecture Theatre F, Medical School**

**1pm - 2pm**