

RINH Invited Speaker Form

Please complete as much as you can

Name & job title:	Guy A. Rutter, Professor and Head of Section
Institution:	Imperial College London
Talk title:	Understanding pancreatic beta cell identity: from genome-wide association to intercellular connectivity
Date:	6 th September
Seminar Abstract: (provide URL if easier)	Type 2 diabetes (T2D) presently affects ~1:12 of the adult population and usually involves defective insulin secretion alongside insulin resistance. I will discuss our work seeking to understand how genetic variants in man impact T2D risk and beta cell function using a variety of genetic tools, alongside in vitro and in vivo imaging techniques including optogenetics and photopharmacology
Speaker Biography: (provide URL if easier)	<p>Prof. Rutter is interested in signal transduction in the pancreatic β-cell in health and disease with focus in using functional genomics at the cellular and whole organism level to dissect the role of genes associated with Type 2 diabetes.</p> <p>After a PhD at the University of Bristol and an MRC travelling Fellowship to the University of Geneva he became a full Professor of Biochemistry in Bristol in 2002. He moved to Imperial College in 2006 to become Head of Cell Biology and Functional Genomics in the Department of Medicine. His research work has been extensively published in high impact journals including Nature, Nature Med, Cell Metabolism, J Clin Invest, Proc Natl Acad Sci, Diabetes etc. He currently holds a Wellcome Trust Advanced Investigator Award, MRC Programme and EU consortium grants.</p>
Image:	

