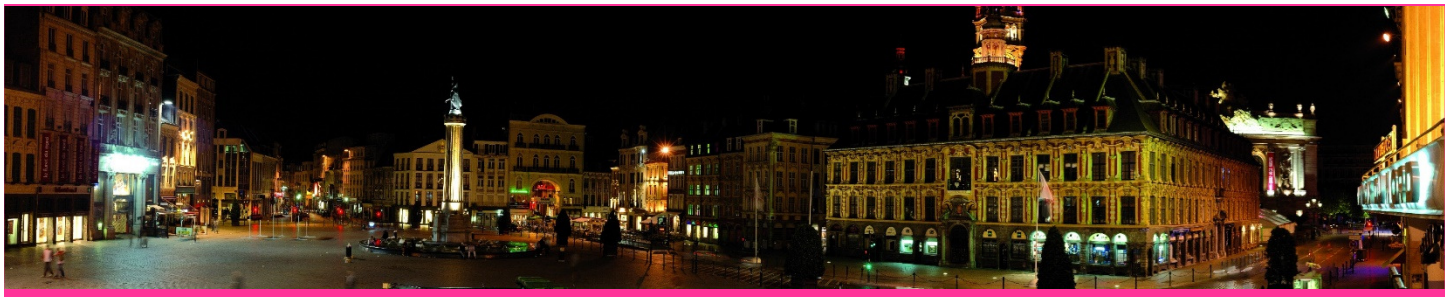

SAVE THE DATE

Pr. Philippe FROGUEL invites you to the EGID Conference on

Tuesday July 3rd 2018 at 11.00am

Amphi D - Faculté de Médecine - Pôle Recherche - Université de Lille

Conference entitled :

The Brain Control of Food Intake: Can an old dog Teach us new Tricks?

It is clear that the cause of obesity is a result of eating more than you burn. What is more complex to answer is why some people eat more than others? Over the past 20 years, insights from human and mouse genetics have illuminated multiple pathways within the brain that play a key role in the control of food intake. We now know that the brain leptin-melanocortin pathway is central to mammalian food intake control, with genetic disruption resulting in extreme obesity. But can this 'old dog' teach us new tricks? I will talk about our work on Labrador retrievers, as well as our efforts to decipher the heterogeneity of POMC neurons using single cell RNAseq.

By Dr Giles Yeo

University of Cambridge Metabolic Research Labs, MRC Metabolic Diseases Unit, Addenbrooke's Hospital, Cambridge UK. gshy2@cam.ac.uk; @GilesYeo

Giles Yeo is a geneticist with nearly 20 years' experience studying obesity and the brain control of food intake. He obtained his PhD from the University of Cambridge in genetics in 1998 and has been there ever since. He was in the initial vanguard that described a number of genes that when mutated, resulted in rare forms of severe obesity, thus uncovering key pathways in the brain that control food intake. His current research focuses on understanding how these pathways differ between lean and obese people, and the influence of genes in our feeding behaviour. He is also a graduate tutor and fellow of Wolfson College. With his public engagement hat on, Giles presents science documentaries for the BBC. His critically acclaimed investigative piece *'Clean eating – The dirty truth'*, for BBC Horizon, was screened in January 2017 and prompted an important national debate about dieting advice and evidence-based science. He is also one of the 'doctors' on BBC2's *'Trust Me I'm a Doctor'*.

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