

ICM Research Seminar

Wednesday 7th March

Ailsa Marsh

(Dr Kirsten Brandt, Dr Paul Brereton, Dr Nicola Brereton)

Investigating flavour-nutrient learning in humans using selenium-enriched parsnips.

Flavour-nutrient learning (FNL) proposes that food preferences are not totally governed by conscious behaviours, but are impacted upon by unconscious mechanisms that act to monitor and address fluctuating blood nutrient levels, in order to maintain health¹.

Aim 1: To investigate FNL in humans by exploring preferences of participants of different selenium-status regarding selenium-enriched parsnips, with non-enriched parsnips and other root vegetables to be used as comparators. Results may provide data re furthering the understanding of food choices, with implications for wider public health research.

Aim 2: To investigate the relationship, if any, between the selenium intake of each participant via the different types of parsnips ingested, and a change in individual selenium status. Results may provide data on the prospects for improving UK population selenium-status via selenium-fortified vegetables.

Victoria Shuttleworth

(Prof Neil Sheerin, Dr Ian Logan)

SET9, a Lysine Methyltransferase as a Therapeutic Target in Renal Fibrosis

Renal fibrosis is the histological endpoint of all forms of chronic kidney disease (CKD). With the increasing incidence of CKD and limited treatments available, our research has been focused on identifying a novel co-factor within the TGFB-1/SMAD signaling pathway as therapeutic target for CKD.

Chair: Dr Emily Mavin

Dental Lecture Theatre F, Medical School

1pm - 2pm