

Press release

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Basic information

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Main supervisor: Per Bendix Jeppesen, Associate Prof., PhD

Title of dissertation: Anti-hyperglycemic effects of Isosteviol & steviol glucuronide and assessment of the pancreatic α - β cell interaction

Date for defence: 24 Jun 2020 at (time of day): 10:00 am Place: Aarhus University Hospital, Skejby, Auditorium J116-113

Press release (Danish)

Press release (English)

Anti-hyperglycemic effects of Isosteviol & steviol glucuronide and assessment of the pancreatic α - β cell interaction

The understanding of type 2 diabetes (T2D) is still evolving, and so are the related treatments. Due to the high price of some of the newer anti-diabetic drugs, as well as their potential severe side effects, the search for more cost-effective and safer therapies continues. Our team has demonstrated that steviol glycosides (SGs) possess antihyperglycemic effects both in animal models and in patients with diabetes, including enhancing insulin secretion, improving insulin sensitivity, and lowering postprandial blood glucose. The aim of the current PhD project was to further clarify the potential health promoting effects of isosteviol (a SG derivative) and steviol glucuronide (a metabolite of SG), using isolated mouse islets or islet cell lines. The project was carried out by Wenqian Gu, who is defending her dissertation on 24/06.

The defence is public and takes place on 24/06 at 10:00 in Auditorium J116-113, Aarhus University Hospital, Palle Juul-Jensens Boulevard 165, Aarhus, Denmark.

The title of the project is Anti-hyperglycemic effects of Isosteviol & steviol glucuronide and assessment of the pancreatic α - β cell interaction. For more information, please contact PhD student Wenqian Gu, email: gu.wen.qian@clin.au.dk, Phone +45 71 56 30 37.

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