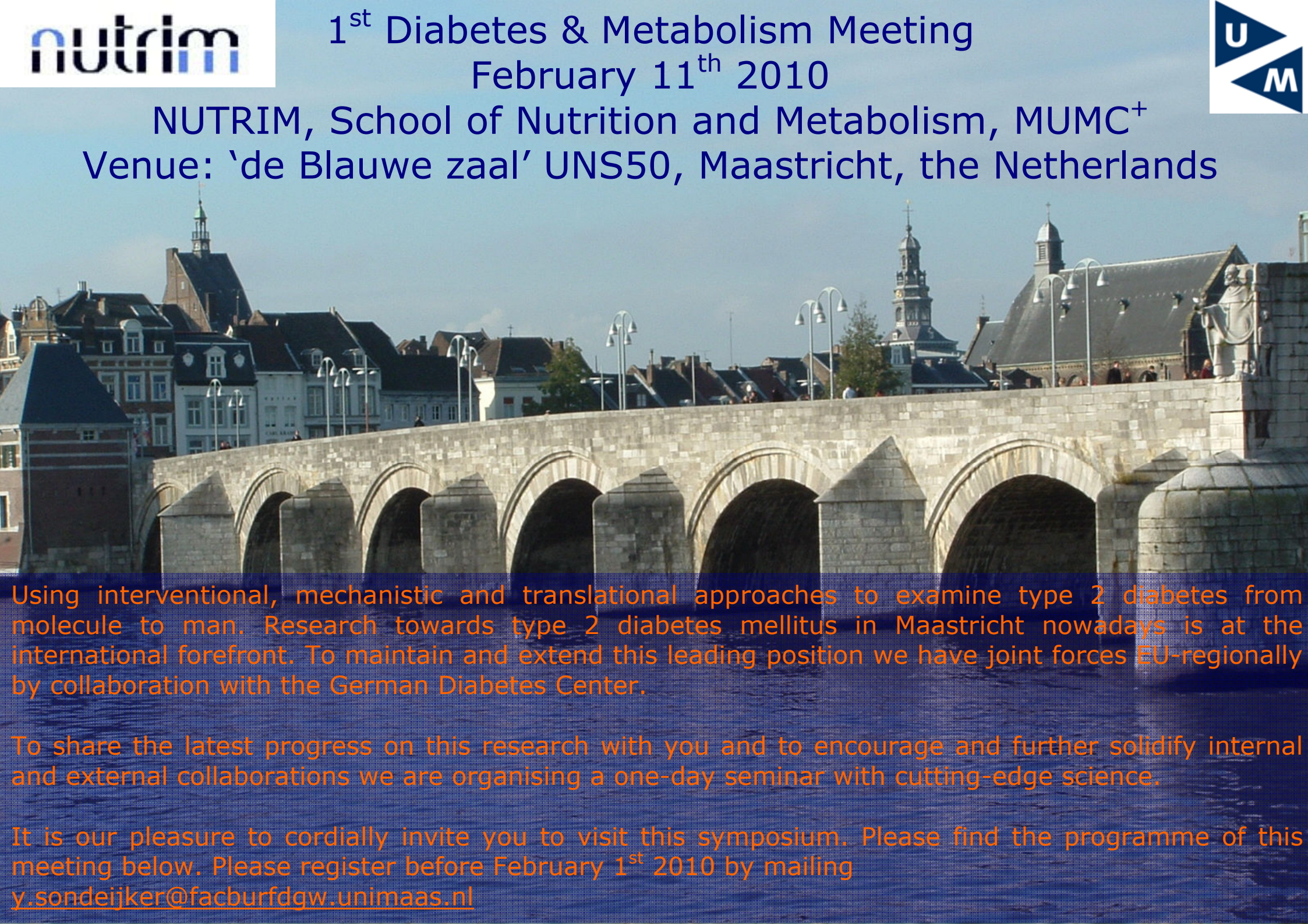


NUTRIM, School of Nutrition and Metabolism, MUMC<sup>+</sup>  
Venue: 'de Blauwe zaal' UNS50, Maastricht, the Netherlands

A photograph of a large, multi-arched stone bridge spanning a river in Maastricht, Netherlands. The bridge has several large, rounded arches supported by stone pillars. In the background, there are traditional European buildings with gabled roofs and a church with a tall spire. The sky is clear and blue.

Using interventional, mechanistic and translational approaches to examine type 2 diabetes from molecule to man. Research towards type 2 diabetes mellitus in Maastricht nowadays is at the international forefront. To maintain and extend this leading position we have joint forces EU-regionally by collaboration with the German Diabetes Center.

To share the latest progress on this research with you and to encourage and further solidify internal and external collaborations we are organising a one-day seminar with cutting-edge science.

It is our pleasure to cordially invite you to visit this symposium. Please find the programme of this meeting below. Please register before February 1<sup>st</sup> 2010 by mailing [y.sondeijker@facburfdgw.unimaas.nl](mailto:y.sondeijker@facburfdgw.unimaas.nl)

## NUTRIM School for Nutrition, Toxicology and Metabolism

08:45-09:00 **Welcome with coffee**

09:00-09:10 Welcome by **Prof. Jos Smits, vice dean Research FHML**

09:10-09:20 Introduction by **Prof. Hans Sauerwein**

*Mitochondrial function, energy metabolism and type 2 diabetes*

09:20-09:40 **Patrick Schrauwen**: Mitochondrial function, lipotoxicity and type2 diabetes

09:40-10:00 **Anneke Jans**: Gene expression pathways of FA handling and FA oxidation

10:00-10:20 **Julia Szendrödi**: *In vivo* and *ex vivo* hepatic energy metabolism

10:20-10:40 **Break**

*Adipose tissue – muscle/liver interaction and comparison*

10:40-11:00 **Prof. Ellen Blaak**: Adipose tissue – muscle interaction in insulin resistance

11:00-11:20 **Madeleen Bosma**: Lipid droplet coating proteins, ectopic fat accumulation and insulin resistance

11:20-11:40 **Henrike Sell**: Chemerin and its implications for muscle and liver

11:40-12:00 **Johan Jocken**: Lipolysis in muscle and adipose tissue

12:00-13:00 **Lunch**

*MRI and MRS in the study of diabetes mellitus*

13:00-13:20 **Prof. Michael Roden**: NAFLD and insulin resistance

13:20-13:40 **Vera Schrauwen-Hinderling**: Fat accumulation and diabetic cardiomyopathy

13:40-14:00 **Jong-Hee Wang**: Human metabolic studies using MR spectroscopy

14:00-14:20 **Break**

*Skeletal muscle cell metabolism*

14:20-14:40 **Matthijs Hesselink**: Ectopic fat in muscle and insulin resistance

14:40-15:00 **Margriet Ouwens**: PRAS40 and its role in insulin signaling

15:00-15:20 **Lex Verdijk**: Satellite cells, sarcopenia, aging

15:20-15:40 **Break**

*Exercise training and diabetes*

15:40-16:00 **Luc van Loon**: Exercise prescription in type 2 diabetes

16:00-16:20 **Ruth Meex**: Endurance training and insulin sensitivity

16:20-16:40 **Jan-Willem van Dijk**: Impact of endurance versus resistance type exercise on glycemc control

16:20-16:40 **Drinks and farewell**