Author's response to reviews

Title: Association between a rare SNP in the second intron of human Agouti related protein gene and increased BMI

Authors:

Ivo Kapa (ivo@biomed.lu.lv)
Ineta Kalnina (ineta@biomed.lu.lv)
Valdis Pirags (valdis.pirags@stradini.lv)
Vita Ignatoviciva (vita@biomed.lu.lv)
Helgi B Schioth (helgi.schioth@neuro.uu.se)
Janis Klovins (klovins@biomed.lu.lv)

Version: 2 Date: 31 October 2008

Author's response to reviews:

Dear editors of BMC Medical Genetics,

We are now submitting a manuscript entitled „Association between a rare SNP in the second intron of human Agouti-related protein gene and increased BMI”.

The study described in article presents for the first time an association of rare AGRP polymorphism with increased BMI. Together with the latest findings that describe number of common polymorphisms associated with different common traits is also becomes evident that combination of rare genetic variants is likely to play important role determining the individuals susceptibility to disease. We therefore find it important to perform and report studies on rare genetic variants. We also discuss novel mechanisms by which studied polymorphism may induce changes in phenotype to raise a discussion on possible role of regulatory mechanisms involving RNA structures.

We hope that article submitted will be found suitable for publishing in BMC Medical Genetics.

Sincerely yours

Dr. Janis Klovins

31.10.2008