



scripties voor de repository van FSE, FA <theses-fse@rug.nl>

Re: Thesis deposit from: Effrosyni Mavrepi | degree programme: Biology

1 message

Tharehalli Mathada, U (bkk) <u.tharehalli.mathada@umcg.nl>

Tue, Mar 19, 2024 at 11:01 AM

To: "theses-fse@rug.nl" <theses-fse@rug.nl>

Cc: "Zhang, B (bkk)" <b.zhang@umcg.nl>

Hi there,

The study report submitted by the students is part of the ongoing project, which is yet to be published.

I refuse to publish this report publicly.

Best regards,
Umesh

From: theses-fse@rug.nl <theses-fse@rug.nl>**Sent:** Monday, March 18, 2024 10:55 PM**To:** Tharehalli Mathada, U (bkk) <u.tharehalli.mathada@umcg.nl>**Subject:** Thesis deposit from: Effrosyni Mavrepi | degree programme: Biology**Deposit Form Student Theses Faculty of Science and Engineering**We've received your thesis successfully. After review, the library will provide access to it through our theses database:
([<https://fse.studenttheses.ub.rug.nl/id/eprint/32127>])If you see incorrect information below, or need further information, please contact the Library of FSE (theses-fse@rug.nl)

The provided information:
: 18-03-2024

Dear sir/madam,

On 18-03-2024 Effrosyni Mavrepi uploaded a paper (Research Report / Essay) in the FSE Thesis Repository. He/she indicated that this document should be publicly accessible on the internet.

Would you give permission for this?

 No **Yes** **Yes, provided that there will be an embargo on the theses until day/month/year (fill out desired date)****NB. This embargo expires automatically and the thesis will be public afterwards. If you don't want this, please choose NO**Please reply to theses-fse@rug.nl. A non-readable copy of this email correspondence will be saved in PDF with the related thesis.

Author(s)

Student number	Family name	First name	Email address
S4260414	Mavrepi	Effrosyni	e.mavrepi@student.rug.nl

Degree programme

Degree programme	Thesis type
Biology	Bachelor's Research Project 2a

Supervisor(s) at UG

Family name	First name, prefix		Email address
Tharehalli Mathada	U.	Medische Wetenschappen, Kindergnsk.research-lab.	u.tharehalli.mathada@umcg.nl

Supervisor(s) not affiliated with UG or affiliated with UMCG

Family name	First name, prefix	Organization	Email address
Kuivenhoven	J. A.	Medische Wetenschappen, Kindergnsk.research-lab.	j.a.kuivenhoven@umcg.nl
Koonen	D.P.Y.	Medische Wetenschappen, Kindergnsk.research-lab.	d.p.y.koonen@umcg.nl
Zhang	B.	Medische Wetenschappen, Kindergnsk.research-lab.	b.zhang@umcg.nl
Tharehalli Mathada	U.	Medische Wetenschappen, Kindergnsk.research-lab.	u.tharehalli.mathada@umcg.nl

Original title

Why does dual hepatic ablation of GPR146 and ANGPTL3 protect against the deleterious consequences of a high-fat diet?

Abstract of thesis

This study addresses the need to explore novel therapeutic strategies for managing hyperlipidemia and its associated cardiovascular complications. The motivation stems from the limitations of current pharmacological interventions in effectively controlling lipid levels and mitigating cardiovascular risk. By investigating the potential therapeutic benefits of dual hepatic ablation of Gpr146 and Angptl3 in murine models, this research aims to elucidate the molecular pathways underlying hepatic lipid metabolism regulation. The approach combines RNA sequencing data, gene expression validation, protein expression validation, and histological examination of liver tissue. Through this multi-faceted approach, the study sheds light on key genes such as Cd36 and Abcg1, which play crucial roles in modulating lipid metabolism pathways. The results reveal differences in gene expression between control and knock-out groups, particularly in the Abcg1 gene. However, some aspects of the study yield inconclusive results, highlighting the need for further investigation into the underlying mechanisms. Despite these limitations, the findings underscore the complexity of hepatic lipid metabolism regulation and emphasize the importance of continued research in this area. The study concludes by suggesting future research directions to address the limitations and implications of the

findings, ultimately aiming to develop novel therapeutic strategies for managing hyperlipidemia and associated diseases

Number of pages	18
Language of the thesis	English
Year of publication	2024

Additional comments

I had to slightly moderate the abstract for the above section because it was 208 words and it could only show 200.

Indicate whether the document should be publicly accessible.: Yes (we'll ask your supervisor to confirm this)

File(s)

_bBIO_2024_MavrepiE.pdf

Browser info: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/122.0.0.0 Safari/537.36

De inhoud van dit bericht is vertrouwelijk en alleen bestemd voor de geadresseerde(n). Anderen dan de geadresseerde(n) mogen geen gebruik maken van dit bericht, het niet openbaar maken of op enige wijze verspreiden of vermenigvuldigen. Het UMCG kan niet aansprakelijk gesteld worden voor een incomplete aankomst of vertraging van dit verzonden bericht.

The contents of this message are confidential and only intended for the eyes of the addressee(s). Others than the addressee(s) are not allowed to use this message, to make it public or to distribute or multiply this message in any way. The UMCG cannot be held responsible for incomplete reception or delay of this transferred message.