

Accepted Manuscript

Title: Impact of fasting followed by short-term exposure to interleukin-6 on cytochrome P450 mRNA in mice

Authors: Martin Krøyer Rasmussen, Lærke Bertholdt, Anders Gudiksen, Henriette Pilegaard, Jakob G. Knudsen



PII: S0378-4274(17)31423-6
DOI: <https://doi.org/10.1016/j.toxlet.2017.10.011>
Reference: TOXLET 9977

To appear in: *Toxicology Letters*

Received date: 15-6-2017
Revised date: 27-9-2017
Accepted date: 10-10-2017

Please cite this article as: Rasmussen, Martin Krøyer, Bertholdt, Lærke, Gudiksen, Anders, Pilegaard, Henriette, Knudsen, Jakob G., Impact of fasting followed by short-term exposure to interleukin-6 on cytochrome P450 mRNA in mice. *Toxicology Letters* <https://doi.org/10.1016/j.toxlet.2017.10.011>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Impact of fasting followed by short-term exposure to interleukin-6 on cytochrome P450 mRNA in mice

Martin Krøyer Rasmussen¹, Lærke Bertholdt², Anders Gudiksen², Henriette Pilegaard², Jakob G Knudsen²

¹ Department of Food Science, Aarhus University, Denmark

² Department of Biology, Copenhagen University, Denmark

Corresponding author

Martin Krøyer Rasmussen

Department of Food Science, Aarhus University, Denmark

Blichers alle 20, P.O. Box 50, DK-8830 Tjele

Email: Martink.rasmussen@food.au.dk

Tel.: + 45 87 15 74 26

Highlights

- 18 hours fasting of mice increased the hepatic CYP mRNA content
- Fasting increased the mRNA content of selected transcription factors and co-factors
- The effect of IL-6 exposure mRNA content was dependant on the nutritional status
- Crosstalk between energy metabolism and detoxification was suggested

Download English Version:

<https://daneshyari.com/en/article/8553549>

Download Persian Version:

<https://daneshyari.com/article/8553549>

[Daneshyari.com](https://daneshyari.com)