

Accepted Manuscript

Myeloperoxidase deficiency attenuates systemic and dietary Iron-induced adverse effects

Xia Xiao, Piu Saha, Beng San Yeoh, Jennifer A. Hipp, Vishal Singh, Matam Vijay-Kumar



PII: S0955-2863(18)30314-0
DOI: doi:[10.1016/j.jnutbio.2018.08.003](https://doi.org/10.1016/j.jnutbio.2018.08.003)
Reference: JNB 8033
To appear in: *The Journal of Nutritional Biochemistry*
Received date: 3 April 2018
Revised date: 1 August 2018
Accepted date: 11 August 2018

Please cite this article as: Xia Xiao, Piu Saha, Beng San Yeoh, Jennifer A. Hipp, Vishal Singh, Matam Vijay-Kumar, Myeloperoxidase deficiency attenuates systemic and dietary Iron-induced adverse effects. *Jnb* (2018), doi:[10.1016/j.jnutbio.2018.08.003](https://doi.org/10.1016/j.jnutbio.2018.08.003)

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.

Myeloperoxidase Deficiency Attenuates Systemic and Dietary**Iron-induced Adverse Effects**

Xia Xiao¹, Piu Saha², Beng San Yeoh³, Jennifer A. Hipp⁴, Vishal Singh² and Matam

Vijay-Kumar^{2,5*}

¹Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA
16802 USA

²Department of Physiology & Pharmacology, University of Toledo, OH 43614 USA

³Graduate Program in Immunology & Infectious Diseases, The Pennsylvania State University,
University Park, PA 16802 USA

⁴Department of Pathology, University of Toledo, OH 43614 USA

⁵Department of Medical Microbiology & Immunology, University of Toledo, OH 43614 USA

Key words: Neutrophils, MPO, Reactive oxygen species, Acute phase proteins,
Proinflammatory cytokines, iron overload

Running title: Myeloperoxidase protects against iron-mediated toxicity

***Corresponding Author:**

Matam Vijay-Kumar (Vijay), PhD
Associate Professor
Department of Physiology & Pharmacology
University of Toledo College of Medicine and Life Sciences
3000 Transverse Drive, Mail Stop 1008
Toledo OH 43614 USA
Off:(419) 383-4130
FAX:(419) 383-2871
Email: MatamVijay.Kumar@utoledo.edu

Download English Version:

<https://daneshyari.com/en/article/9954183>

Download Persian Version:

<https://daneshyari.com/article/9954183>

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