

## Accepted Manuscript

Metabolomic insights into the effects of thyroid hormone on *Rana [Lithobates] catesbeiana* metamorphosis using whole-body Matrix Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging (MALDI-MSI)

Teesha C. Luehr, Emily M. Koide, Xiaodong Wang, Jun Han, Christoph H. Borchers, Caren C. Helbing

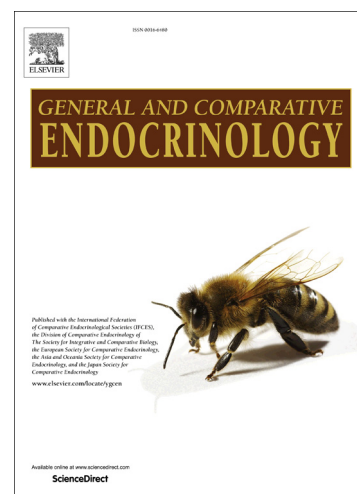
PII: S0016-6480(17)30797-9  
DOI: <https://doi.org/10.1016/j.ygcen.2018.02.012>  
Reference: YGCEN 12869

To appear in: *General and Comparative Endocrinology*

Received Date: 28 November 2017  
Revised Date: 14 February 2018  
Accepted Date: 14 February 2018

Please cite this article as: Luehr, T.C., Koide, E.M., Wang, X., Han, J., Borchers, C.H., Helbing, C.C., Metabolomic insights into the effects of thyroid hormone on *Rana [Lithobates] catesbeiana* metamorphosis using whole-body Matrix Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging (MALDI-MSI), *General and Comparative Endocrinology* (2018), doi: <https://doi.org/10.1016/j.ygcen.2018.02.012>

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.



Metabolomic insights into the effects of thyroid hormone on *Rana [Lithobates] catesbeiana* metamorphosis using whole-body Matrix Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging (MALDI-MSI)

Authors: Teesha C Luehr<sup>1,2</sup>, Emily M Koide<sup>1</sup>, Xiaodong Wang<sup>2,5</sup>, Jun Han<sup>2</sup>, Christoph H Borchers<sup>1,2,3,4</sup>, Caren C Helbing<sup>1,\*</sup>

<sup>1</sup>Department of Biochemistry & Microbiology, University of Victoria, Victoria, BC, V8W 2Y2, Canada.

<sup>2</sup>University of Victoria – Genome British Columbia Proteomics Centre, Vancouver Island Technology Park, Victoria, BC, V8Z 7X8, BC, Canada.

<sup>3</sup>Proteomics Centre, Segal Cancer Centre, Lady Davis Institute, Jewish General Hospital, McGill University, Montreal, Quebec, H3T 1E2, Canada.

<sup>4</sup>Gerald Bronfman Department of Oncology, Jewish General Hospital, McGill University, Montreal, Quebec, H3T 1E2, Canada.

<sup>5</sup>Current address: Centre for Imaging & Systems Biology, College of Life and Environmental Sciences, Minzu University of China, #27 Zhongguancun South Avenue, Beijing, China, 100081.

\*Corresponding Author:

Caren C Helbing

chelbing@uvic.ca

Department of Biochemistry and Microbiology

University of Victoria

Victoria, BC

V8W 2Y2

Canada

Download English Version:

<https://daneshyari.com/en/article/8630795>

Download Persian Version:

<https://daneshyari.com/article/8630795>

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