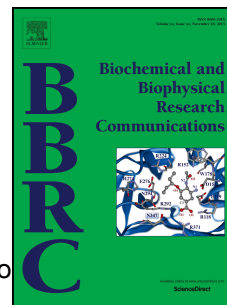


# Accepted Manuscript

Visualization of glucagon secretion from pancreatic  $\alpha$  cells by bioluminescence video microscopy: Identification of secretion sites in the intercellular contact regions

Satoru Yokawa, Takahiro Suzuki, Satoshi Inouye, Yoshikazu Inoh, Ryo Suzuki, Takao Kanamori, Tadahide Furuno, Naohide Hirashima



PII: S0006-291X(17)30405-9

DOI: [10.1016/j.bbrc.2017.02.114](https://doi.org/10.1016/j.bbrc.2017.02.114)

Reference: YBBRC 37362

To appear in: *Biochemical and Biophysical Research Communications*

Received Date: 18 February 2017

Accepted Date: 22 February 2017

Please cite this article as: S. Yokawa, T. Suzuki, S. Inouye, Y. Inoh, R. Suzuki, T. Kanamori, T. Furuno, N. Hirashima, Visualization of glucagon secretion from pancreatic  $\alpha$  cells by bioluminescence video microscopy: Identification of secretion sites in the intercellular contact regions, *Biochemical and Biophysical Research Communications* (2017), doi: 10.1016/j.bbrc.2017.02.114.

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.

**Visualization of glucagon secretion from pancreatic  $\alpha$  cells by bioluminescence video microscopy: identification of secretion sites in the intercellular contact regions**

Satoru Yokawa <sup>a,b</sup>, Takahiro Suzuki <sup>c</sup>, Satoshi Inouye <sup>d</sup>, Yoshikazu Inoh <sup>b</sup>, Ryo Suzuki <sup>a</sup>, Takao Kanamori <sup>c</sup>, Tadahide Furuno <sup>b</sup>, Naohide Hirashima <sup>a,\*</sup>

<sup>a</sup> Graduate School of Pharmaceutical Sciences, Nagoya City University, Nagoya 467-8603, Japan

<sup>b</sup> School of Pharmacy, Aichi Gakuin University, Nagoya 464-8650, Japan

<sup>c</sup> School of Dentistry, Aichi Gakuin University, Nagoya 464-8650, Japan

<sup>d</sup> Yokohama Research Center, JNC Corporation, Yokohama 236-8605, Japan

(Corresponding author)

Prof. Naohide Hirashima

Graduate School of Pharmaceutical Sciences,

Nagoya City University

3-1 Tanabe-dori, Mizuho-ku, Nagoya 467-8603, Japan

TEL. +81 528363411

FAX. +81 528363414

E-mail. hirashim@phar.nagoya-cu.ac.jp

Download English Version:

<https://daneshyari.com/en/article/5506111>

Download Persian Version:

<https://daneshyari.com/article/5506111>

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