

Accepted Manuscript

Research Article

sMu opioid receptor agonist DAMGO produces place conditioning, abstinence-induced withdrawal, and naltrexone-dependent locomotor activation in planarians

Emily Dziedowiec, Sunil U. Nayak, Keenan S. Gruver, Tyra Jennings, Christopher S. Tallarida, Scott M. Rawls

PII: S0306-4522(18)30440-8

DOI: <https://doi.org/10.1016/j.neuroscience.2018.06.029>

Reference: NSC 18518

To appear in: *Neuroscience*

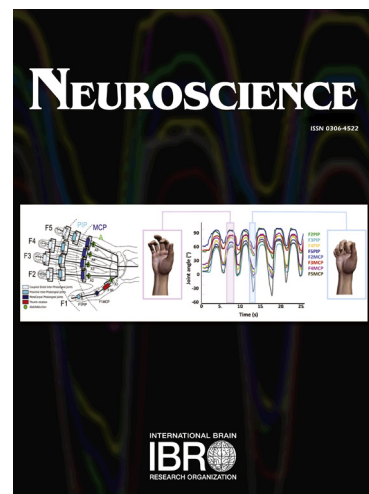
Received Date: 29 March 2018

Revised Date: 13 June 2018

Accepted Date: 18 June 2018

Please cite this article as: E. Dziedowiec, S.U. Nayak, K.S. Gruver, T. Jennings, C.S. Tallarida, S.M. Rawls, sMu opioid receptor agonist DAMGO produces place conditioning, abstinence-induced withdrawal, and naltrexone-dependent locomotor activation in planarians, *Neuroscience* (2018), doi: <https://doi.org/10.1016/j.neuroscience.2018.06.029>

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.



Mu opioid receptor agonist DAMGO produces place conditioning, abstinence-induced withdrawal, and naltrexone-dependent locomotor activation in planarians

¹Emily Dziedowiec, ¹Sunil U. Nayak, ¹Keenan S. Gruver, ¹Tyra Jennings, ¹Christopher S. Tallarida, and ^{1,2}Scott M. Rawls

¹Center for Substance Abuse Research, Lewis Katz School of Medicine, Temple University
Philadelphia, PA, USA

²Department of Pharmacology, Lewis Katz School of Medicine, Temple University,
Philadelphia, PA, USA

Corresponding Author: Scott M. Rawls, Ph.D., Professor of Pharmacology, Department of Pharmacology, Center for Substance Abuse Research, Temple University School of Medicine, 3500 North Broad Street, Philadelphia, PA, 19140, USA Tel: (215) 707-4942; Fax: (215) 707-7068; e-mail: scott.rawls@temple.edu

Download English Version:

<https://daneshyari.com/en/article/8840551>

Download Persian Version:

<https://daneshyari.com/article/8840551>

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