

## Accepted Manuscript

Title: Modeling tics in rodents: Conceptual challenges and paths forward

Authors: Marco Bortolato, Christopher Pittenger

PII: S0165-0270(17)30049-3

DOI: <http://dx.doi.org/doi:10.1016/j.jneumeth.2017.02.007>

Reference: NSM 7684

To appear in: *Journal of Neuroscience Methods*

Received date: 23-1-2017

Revised date: 17-2-2017

Accepted date: 21-2-2017



Please cite this article as: Bortolato Marco, Pittenger Christopher. Modeling tics in rodents: Conceptual challenges and paths forward. *Journal of Neuroscience Methods* <http://dx.doi.org/10.1016/j.jneumeth.2017.02.007>

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.

## REVIEW ARTICLE

**Modeling tics in rodents:  
Conceptual challenges and paths forward****Marco Bortolato<sup>1</sup>, Christopher Pittenger<sup>2</sup>**

<sup>1</sup> Dept. of Pharmacology and Toxicology; Interdepartmental Neuroscience Program, University of Utah, Salt Lake City (UT), USA

<sup>2</sup> Dept. of Psychiatry; Dept. of Psychology; Child Study Center; Interdepartmental Neuroscience Program, Yale University, New Haven (CT), USA

**Correspondence:****Marco Bortolato, MD PhD**

Dept of Pharmacology and Toxicology  
University of Utah  
30 S 2000 E, Skaggs Hall, Room 3916  
Salt Lake City (UT) 84112

Phone: 801-587-3352  
Fax: 801-585-5111  
e-mail: [marco.bortolato@utah.edu](mailto:marco.bortolato@utah.edu)

**Christopher Pittenger, MD PhD**

Depts of Psychiatry and Psychology and  
Child Study Center  
Yale University  
34 Park Street, W315  
New Haven (CT) 06519

Phone: 203-974-7675  
Fax: 203-974-7805  
e-mail: [christopher.pittenger@yale.edu](mailto:christopher.pittenger@yale.edu)

**Key words:** tics; Tourette syndrome; stereotypy; grooming; animal model; basal ganglia

Submitted for the special issue on Tourette Syndrome, *The Journal of Neuroscience Methods*.

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات