

## Accepted Manuscript

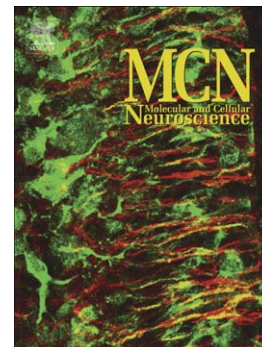
Advancing Drug Discovery for Neuropsychiatric Disorders Using Patient-Specific Stem Cell Models

Stephen J. Haggarty, M. Catarina Silva, Alan Cross, Nicholas J. Brandon, Roy H. Perlis

PII: S1044-7431(16)30011-2  
DOI: doi: [10.1016/j.mcn.2016.01.011](https://doi.org/10.1016/j.mcn.2016.01.011)  
Reference: YMCNE 3072

To appear in: *Molecular and Cellular Neuroscience*

Received date: 14 December 2015  
Revised date: 22 January 2016  
Accepted date: 25 January 2016



Please cite this article as: Haggarty, Stephen J., Silva, M. Catarina, Cross, Alan, Brandon, Nicholas J., Perlis, Roy H., Advancing Drug Discovery for Neuropsychiatric Disorders Using Patient-Specific Stem Cell Models, *Molecular and Cellular Neuroscience* (2016), doi: [10.1016/j.mcn.2016.01.011](https://doi.org/10.1016/j.mcn.2016.01.011)

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.

**Molecular and Cellular Neuroscience: Critical issues for stem cell modeling of disease and drug discovery**

**Title:** Advancing Drug Discovery for Neuropsychiatric Disorders Using Patient-Specific Stem Cell Models

**Authors:** Stephen J. Haggarty<sup>1-5,\*</sup>, M. Catarina Silva<sup>1-5</sup>, Alan Cross<sup>6</sup>, Nicholas J. Brandon<sup>6</sup>, Roy H. Perlis<sup>2-4</sup>

**Affiliations:**

<sup>1</sup>Chemical Neurobiology Laboratory, <sup>2</sup>Center for Human Genetic Research, <sup>3</sup>Center for Experimental Drugs & Diagnostics, Departments of <sup>4</sup>Psychiatry & <sup>5</sup>Neurology, Massachusetts General Hospital, Harvard Medical School, 185 Cambridge Street, Boston, MA 02114; <sup>6</sup>AstraZeneca Neuroscience iMED, 141 Portland Street, Cambridge, MA 02139

\* Correspondence (S.J.H.; shaggarty@mgh.harvard.edu)

**Article Type:** Special Issue Stem Cells & Neuropsychiatry

**Key Words:** Human stem cells, iPSC models, drug discovery, CRISPR-Cas9, high-throughput screening, high-content imaging, neuropharmacology, bipolar disorder, schizophrenia, autism spectrum disorders, dementia

Download English Version:

<https://daneshyari.com/en/article/8478494>

Download Persian Version:

<https://daneshyari.com/article/8478494>

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