

# Accepted Manuscript

Title: Cardiac-Specific Overexpression of Oxytocin Receptor Leads to Cardiomyopathy in Mice

Author: Christian Jung, Bernhard Wernly, Mikael Bjursell, John Wiseman, Therese Admyre, Johannes Wikström, Malin Palmér, Frank Seeliger, Michael Lichtenauer, Marcus Franz, Charlotte Frick, Ann-Katrin Andersson, Margareta Elg, John Pernow, Per-Ove Sjöquist, Mohammad Bohlooly-Y, Qing-Dong Wang



PII: S1071-9164(18)30188-X  
DOI: <https://doi.org/10.1016/j.cardfail.2018.05.004>  
Reference: YJCAF 4136

To appear in: *Journal of Cardiac Failure*

Received date: 20-8-2017  
Revised date: 18-4-2018  
Accepted date: 11-5-2018

Please cite this article as: Christian Jung, Bernhard Wernly, Mikael Bjursell, John Wiseman, Therese Admyre, Johannes Wikström, Malin Palmér, Frank Seeliger, Michael Lichtenauer, Marcus Franz, Charlotte Frick, Ann-Katrin Andersson, Margareta Elg, John Pernow, Per-Ove Sjöquist, Mohammad Bohlooly-Y, Qing-Dong Wang, Cardiac-Specific Overexpression of Oxytocin Receptor Leads to Cardiomyopathy in Mice, *Journal of Cardiac Failure* (2018), <https://doi.org/10.1016/j.cardfail.2018.05.004>.

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.

# Cardiac-specific overexpression of oxytocin receptor leads to cardiomyopathy in mice

**Short title: Cardiac oxytocin receptor and cardiomyopathy**

Christian Jung, MD, PhD<sup>1\*#</sup>, Bernhard Wernly, MD<sup>2\*</sup>, Mikael Bjursell, PhD<sup>3</sup>, John Wiseman, PhD<sup>3</sup>, Therese Admyre, BS<sup>3</sup>, Johannes Wikström, PhD<sup>4</sup>, Malin Palmér, BS<sup>4</sup>, Frank Seeliger, PhD<sup>5</sup>, Michael Lichtenauer, MD<sup>2</sup>, Marcus Franz, MD<sup>6</sup>, Charlotte Frick, BS<sup>4</sup>, Ann-Katrin Andersson, BS<sup>4</sup>, Margareta Elg, PhD<sup>4</sup>, John Pernow, MD, PhD<sup>7</sup>, Per-Ove Sjöquist, PhD<sup>4</sup>, Mohammad Bohlooly-Y, PhD<sup>3</sup>, Qing-Dong Wang, MD, PhD<sup>4#</sup>

1 Division of Cardiology, Pulmonology, and Vascular Medicine, Medical Faculty, University Duesseldorf, Germany

2 Clinic of Internal Medicine II, Department of Cardiology, Paracelsus Medical University of Salzburg, Austria

3 Discovery Sciences, IMED Biotech Unit, AstraZeneca, Gothenburg, Sweden

4 Bioscience Heart Failure, Cardiovascular, Renal and Metabolic Diseases, IMED Biotech Unit, AstraZeneca, Gothenburg, Sweden

5 Drug safety and Metabolism, IMED Biotech Unit, AstraZeneca, Gothenburg, Sweden

6 University Heart Center Jena, Jena, Germany

7 Department of Cardiology, Karolinska Institute, Solna, Sweden

\*Authors contributed equally

## #Correspondence:

Christian Jung; MD, PhD  
Division of Cardiology, Pulmonology, and Vascular Medicine  
University Duesseldorf  
Moorenstraße 5  
40225 Düsseldorf  
Germany  
Email: [Christian.Jung@med.uni-duesseldorf.de](mailto:Christian.Jung@med.uni-duesseldorf.de); [b.wernly@salk.at](mailto:b.wernly@salk.at)

Qing-Dong Wang; MD, PhD  
Cardiovascular, Renal and Metabolic Diseases  
IMED Biotech Unit  
AstraZeneca  
Pepparedsleden 1  
431 83 Mölndal  
Sweden  
Fax: +46-317763736  
Tel: +46-317762625  
Email: [Qing-dong.wang@astrazeneca.com](mailto:Qing-dong.wang@astrazeneca.com)

Total word count: 5912

Key words: Cardiomyopathy; Heart failure; Oxytocin; Oxytocin receptor; Thrombus

## Abstract

Download English Version:

<https://daneshyari.com/en/article/8944399>

Download Persian Version:

<https://daneshyari.com/article/8944399>

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