

## Accepted Manuscript

Title: Attend or Defend? Sex Differences in Behavioral, Autonomic, and Respiratory Response Patterns to Emotion-Eliciting Films

Authors: Frank H. Wilhelm, Julina A. Rattel, Melanie Wegerer, Michael Liedlgruber, Simon Schweighofer, Sylvia D. Kreibig, Vitaliy Kolodyazhniy, Jens Blechert



PII: S0301-0511(17)30290-9  
DOI: <https://doi.org/10.1016/j.biopsycho.2017.10.006>  
Reference: BIOPSY 7450

To appear in:

Received date: 29-11-2016  
Revised date: 4-10-2017  
Accepted date: 17-10-2017

Please cite this article as: Wilhelm, Frank H., Rattel, Julina A., Wegerer, Melanie, Liedlgruber, Michael, Schweighofer, Simon, Kreibig, Sylvia D., Kolodyazhniy, Vitaliy, Blechert, Jens, Attend or Defend? Sex Differences in Behavioral, Autonomic, and Respiratory Response Patterns to Emotion-Eliciting Films. *Biological Psychology* <https://doi.org/10.1016/j.biopsycho.2017.10.006>

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.

# Attend or Defend? Sex Differences in Behavioral, Autonomic, and Respiratory Response Patterns to Emotion-Eliciting Films

Frank H. Wilhelm<sup>\*a</sup>, Julina, A. Rattel<sup>a</sup>, Melanie Wegerer<sup>a, b</sup>, Michael Liedlgruber<sup>a</sup>, Simon Schweighofer<sup>a, c</sup>, Sylvia D. Kreibitz<sup>d</sup>, Vitaliy Kolodyazhnyi<sup>a, e</sup>, & Jens Blechert<sup>a, f</sup>

<sup>a</sup> Clinical Stress & Emotion Lab, Division of Clinical Psychology, Psychotherapy, and Health Psychology, Department of Psychology, University of Salzburg, Salzburg, Austria

<sup>b</sup> University Clinic of Psychiatry and Psychotherapy, Medical University of Vienna, Austria

<sup>c</sup> Division of Systems Design, Department of Management, Technology and Economics, ETH Zurich, Zurich, Switzerland

<sup>d</sup> Department of Psychology, Stanford University, Stanford, CA, USA

<sup>e</sup> Ziemer Ophthalmic Systems AG, Port, Switzerland

<sup>f</sup> Centre for Cognitive Neuroscience and Department of Psychology, University of Salzburg, Salzburg, Austria

\* Corresponding author:

Frank H. Wilhelm, Clinical Stress & Emotion Lab, Department of Psychology, University of Salzburg, Hellbrunner Straße 34, 5020 Salzburg, Austria.

E-Mail: frank.wilhelm@sbg.ac.at Phone: +43-662-80445103

## Highlights

- Marked sex differences in muscular, autonomic, respiratory reactivity to threat films
- Women's threat response represented a sympathetically-driven defense response
- Men's threat response represented a parasympathetically-driven orienting response
- Sex-specific responses resemble prototypical stages of the defense cascade model

Download English Version:

<https://daneshyari.com/en/article/7278240>

Download Persian Version:

<https://daneshyari.com/article/7278240>

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