

# Theodore P. Imhoff-Smith

Associate Research Specialist  
Center for Healthy Minds  
University of Wisconsin-Madison

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<http://timhoffsmith.github.io>

## Education

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*University of Wisconsin - Madison*

*August 2011*

Bachelor of Arts

Major: Psychology

Certificate: Computer Science

Independent Research Project

September 2009 - December 2009

- Effects of social and individual differences on affective response to interpersonal threat
- Designed, collected and analyzed data, and produced manuscript as part of coursework on experimental design and analysis

*University of Wisconsin - Milwaukee (Continuing Education)*

Cognitive Neuroscience

*Spring 2015*

Cellular and Molecular Neuroscience

*Fall 2014*

## Peer-reviewed publications

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Grupe, D.W., **Imhoff-Smith, T.P.**, Wielgosz, J., Nitschke, J.B., M.A., & Davidson, R.J. (in press). A common neural substrate for elevated PTSD symptoms and reduced pulse rate variability in combat-exposed veterans. *Psychophysiology*.

## Manuscripts under review or in prep

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Kral, T.R.A., **Imhoff-Smith, T.P.**, Dean, D.C., Grupe, D.W., Adluru, N., Patsenko, E.G., Mumford, J.A., Reduction-related changes in posterior cingulate resting brain connectivity. *Social Cognitive and Affective Neuroscience*.

**Imhoff-Smith, T.P.**, Grupe, D.W., & Davidson, R.J. (in prep). Cardiac response to threat and safety: Balance, flexibility, and state dysregulation of the autonomic nervous system in posttraumatic stress.

## Conference presentations

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**Imhoff-Smith, T.P.**, Kral, T.R.A., Grupe, D.W., & Davidson, R.J. (2018, May). *MBSR increases PCC-DLPFC resting state functional connectivity relative to active control*. Poster presented at the 11th annual meeting of the Social Affective Neuroscience Society, Brooklyn, NY.

Kral, T.R.A., **Imhoff-Smith, T.P.**, Grupe, D.W., & Davidson, R.J. (2018, May). *Reduced anxiety and amygdala-sgACC resting state functional connectivity following MBSR*. Poster presented at the 11th annual meeting of the Social Affective Neuroscience Society, Brooklyn, NY.

Grupe, D.W., Wielgosz, J., **Imhoff-Smith, T.P.**, Nitschke, J.N., & Davidson, R.J. (2017, May). *Respiratory sinus arrhythmia and ventromedial prefrontal function in veterans with posttraumatic stress symptoms*. Oral presentation at the 72nd annual convention of the Society of Biological Psychiatry, San Diego, CA.

**Imhoff-Smith, T.P.,** Grupe, D.W., & Davidson, R.J. (2017, March). *Parasympathetic tone, PTSD symptom profiles, and phasic heart rate during threat anticipation*. Poster presented at the 10th annual meeting of the Social Affective Neuroscience Society, Los Angeles, CA.

**Imhoff-Smith, T.P.,** & Rozek, C.S. (2015, May). *The role of emotion regulation in student achievement*. Poster presented at the 87th annual meeting of the Midwestern Psychological Association, Chicago, IL.

## Research and professional experience

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*Center for Healthy Minds, University of Wisconsin - Madison*

*June 2015 - Present*

### **Associate Research Specialist**

*Implement and manage day-to-day procedures, screening, data collection, and data quality for the Wisconsin Center for the Neuroscience and Psychophysiology of Meditation (P01AT004952). Co-manage training and development for team of nine full time core staff and 20+ undergraduate assistants. Assist research program manager with regulatory and budgetary tasks as needed. Processing and analysis of psychophysiological data.*

*Epic, Madison, WI*

*June 2012 - June 2015*

### **Quality Assurance Specialist and Pod Lead** for the Medication Administration Record

*Managed and improved quality and process for a team of 17. Coordinated investigations for patient safety escalation across six clinical applications, designed usability curriculum for new employees, led and coordinated cross-team testing and usability research on multiple development projects.*

*Harackiewicz Lab, University of Wisconsin - Madison*

*January 2009 - December 2010*

### **Research Assistant**

*Recruited, collected data, coded and entered self-report data as well as trained other students.*

## Professional affiliations

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*American Psychological Association, Division 12*

*October 2013 - Present*

*Social and Affective Neuroscience Society*

*May 2015 - Present*

## Human services volunteer

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*Grand Avenue Club, Milwaukee, WI*

*December 2011 - May 2012*

*Interfaith Senior Programs, Waukesha, WI*

*December 2011 - March 2012*

## Distinctive skills

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### *Software Experience*

BIOPAC, FSL, COINS, RStudio, SPSS, MATLAB, Word, PowerPoint, Excel, Google Drive

### *Data Processing Experience*

Conducted heart rate variability analysis (using CMetX and Python)

Developed pipeline and conducted EDA processing (using bash, MATLAB, Python, and Ledalab)

Co-developed processing pipeline for resting state fMRI (using bash and FSL)

Familiarity with structural MRI processing (using FreeSurfer)

### *Programming Experience*

Java, C++, Python, R, MATLAB, M, Bash, HTML, CSS