

# TMS TRENDS

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## REASONS BEHIND DOUBLED DEPRESSION RISK IN WOMEN

[http://www.huffingtonpost.com/2014/06/26/reasons-women-depression\\_n\\_5533085.html?ir=Women](http://www.huffingtonpost.com/2014/06/26/reasons-women-depression_n_5533085.html?ir=Women)

1. Genetic vulnerability
2. Fetal development
3. Adolescence
4. Pregnancy
5. Transition to menopause
6. Environmental influences

## THE TMS INSTITUTE OF PENNSYLVANIA WELCOMES NEW CLINICAL COORDINATOR

The TMS Institute of Pennsylvania welcomes a new clinical coordinator, Christina Hong. Christina Hong graduated from the University of Michigan with a Bachelor of Science degree in Brain, Behavior, and Cognitive Science and recently obtained a Master of Arts degree in Clinical Psychology. She has a background in electrophysiology and has three years of counseling experience. Christina is pursuing a career in psychology with plans to be a mental health practitioner and to teach undergraduate and graduate psychology courses.

## MEASURING ONE NEURON'S RESPONSE TO TMS THERAPY

<http://www.redorbit.com/news/science/1113181558/watching-individual-neurons-respond-to-magnetic-therapy/>

Researchers at Duke Institute for Brain Sciences (DIBS) have recently published a study in *Nature Neuroscience* looking at the effects of TMS on a single neuron.

Although the study is still ongoing, the most exciting outcome has been the development of the technology to isolate one neuron's response to TMS stimulation.

Despite the continued clinically significant effects demonstrated by TMS, the *why* of improvement for these patients has remained unclear.

Researchers hope that with this advance in understanding how TMS interacts with individual neurons, the effects of TMS and its clinical benefits can be better understood and amplified.

