

Editorial – Volume 2, Number 4

Citation: Cannon, R. L. (2015). Editorial – Volume 2, Number 4. *NeuroRegulation*, 2(4), 157. <http://dx.doi.org/10.15540/nr.2.4.157>

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Welcome to *NeuroRegulation* Volume 2, Number 4. In this issue we received two thought-provoking special features. First, Dr. Sarah Prinsloo and Dr. Randall Lyle discuss the Microbiome, Gut-Brain-Axis, and implications for brain health. As neuroscience research advances, the need to revisit topics becomes increasingly needed. I recall in early psychopharmacology classes we were taught that up to 80 to 95 percent of serotonin was produced in the gut, while the remainder was produced in the brain, namely in the raphe nucleus located in the brain stem (Cooper, Bloom, & Roth, 1991). Over the course of years a specific function for serotonin has been elusive, yet further exploration of this gut-brain relationship may provide a more clear delineation of serotonin's role in normal human functions, as well as mental illness. Dr. Erik Peper provides an interesting examination of the association between herbicide use and increases in allergies and autism spectrum disorders (ASD). Consideration of the environment and potential exposure to toxins is very important to narrowing the possible influences of ASD. There is little doubt among clinicians and researchers that the global increase in ASD diagnoses is staggering and an area for much-needed research. Dr. Robert Coben, Kate Wright, Dr. Scott Decker, and Tina Morgan present data examining the impact of coherence neurofeedback training in learning disabilities (LD). The authors provide an examination of current methods for treating LD and demonstrate the effects of neurofeedback in a controlled fashion. We thank all authors for submitting their work to *NeuroRegulation*.

This issue also contains the abstracts from the 23rd annual conference of the International Society for Neurofeedback and Research (ISNR). The selected abstracts are from keynote and invited speakers, student award presentations, plenary sessions, and poster presentations. We would like to thank all authors for submitting their work to the conference.

Finally, as we progress to the new year, *NeuroRegulation* will be designing special editions for 2016. We will decide on topics over the holidays and begin contacting experts in each of the areas to be covered. Make *NeuroRegulation* your next publication choice!

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References

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Published: December 9, 2015