

**Back to Square One: Chiropractic, Neurology, and Learning – [intersect4life.com](https://intersect4life.com)****Instructors:** Monika Buerger, DC & Susan Weinstein, MEd

Sponsored by Life Chiropractic College West, presented by Intersect4Life

**Summary**

As children head back to the classroom following the COVID-19 pandemic, it is important that practitioners, parents, and educators understand the emotional toll that the world's children have undergone. This toll will undoubtedly be seen in the classroom in the form of social, emotional and academic struggles. This course is designed to help chiropractors understand the foundational neurological connections between learning, attention, and behavior; and recognize "red flag" warnings and outward signs of struggle. It will also offer "turnkey" approaches for chiropractors to support optimal in-classroom learning as well as learning for the homeschooler.

**Learning Objectives**

By the end of the seminar, participants will be better able to:

- describe the basic neurological foundations for optimal learning and recognize red flag concerns
- understand the role that the chiropractic adjustment can play in learning, attention and behavior using current chiropractic neuroscience research
- communicate to parents and teachers the basic neurological theories of learning

**Format**

Online, on-demand

**Outline****Hour 1: It's all Connected**

**Topic:** Basic Sciences/Neurology

This hour will cover basic neurology and how emotions, behavior and learning are all interconnected. It will give the chiropractor a solid understanding of how to help parents and teachers understand what is necessary and important to foster an optimal learning environment. This hour will also cover how aberrant sensory input from the spine will play a role in information processing necessary for emotional regulation, attention and learning- giving the chiropractor a clear understanding of subluxation neurology.

**Hour 2: What's Important for Learning**

**Topic:** Basic Sciences/Neurology

This hour will focus on the connection between the cerebellum and prefrontal cortex and the need for a healthy executive functioning system for optimal academic, social and emotional learning. It will also cover the most current chiropractic neuroscience and the role that chiropractic adjustments can play in executive functioning by affecting processing in the cerebellum and the prefrontal cortex.

**Hour 3: How Emotions Effect Learning****Postgraduate & Continuing Education**

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**Topic:** Basic Sciences/Neurology

This hour will focus on the connection between the limbic system and how emotions effect learning and attention. It will also cover classroom signs and concerns and tools for parents and teachers. This hour will tie together information from hours 1 and 2 focusing on how spinal subluxations will affect limbic regulation and emotional responses due to poor information processing.

**Hour 4: The Curriculum of the Cerebellum**

**Topic:** Basic Sciences/Neurology

This hour will mainly focus on the function of the cerebellum and its critical role in learning and attention. It will also introduce practical information on how to affectively learn using the cerebellum and the role that chiropractors can play via the spinal adjustment, specific exercises and nutritional modifications.

**Teaching Methods**

Lecture, Q&A, slides, video, quizzes

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