

**Interoception, Proprioception & Immunoception
The Inflammatory Reflex Neurobehavioral Disorders
Speech & Cognitive Issues**

**April 11-13, 2025
TWA Hotel: JFK Airport (NY, NY)**

This course is designed to be an advanced course in Functional Developmental Behavioral Neuroimmunology and Vestibular Rehab. This course will present the most advanced information and clinical tools in Psychoneuroimmunology in the world today, by 3 of the top experts in the world in Functional Neurology /Neuroscience, Vestibular Rehab and Functional Immunology.

This course will integrate the brain, the immune system and the autonomic system in a way that no one ever has before! Focusing on the role of the developing brain as the main central regulator of neurological, autonomic and immune function. We will focus on three key areas of brain function and development, interoception, immunoception and proprioception. All these functions have different hemispheric and neuroanatomic areas involved and we will go into a detailed discussion of the functional neuroanatomy of this system.

The insula cortex and the salience network are a key hub in all 3 of these functions. These areas also are part of the Central Autonomic network, which is the key network in neurological development, socialization, emotional regulation, attachment, self-awareness, empathy, nonverbal and verbal language. It also plays a key role in immune regulation and perception of inflammation and initiating anti-inflammatory reflexes. It exerts most of its controls and perception through its regulation of the autonomic nervous system, the sympathetic and parasympathetic systems. These systems are also intimately connected to the postural, oculomotor and vestibular systems, proprioception, and body awareness.

Developmental delays and imbalances of these systems are the root cause of conditions such as Non-Speaking Autism, POTS, ADHD, OCD, Tics, Dyslexia, PTSD, Bipolar, Anxiety, Depression as well as vertigo, Motion sickness, autoimmunity, chronic inflammation, Hormone dysfunction, dysfunction in HPA axis, Dysautonomia, Attachment Disorders and more.

Three of the top experts in the world will each be presenting the latest research and understanding of these three systems. Dr Robert Melillo, PHD Developmental Cognitive Neuroscience, will discuss the developmental neurology/neuroscience of Interoception and Immunoception and all the clinical applications around these systems. Carlo Rinaudo, PHD in Vestibular Rehab, will bring the most cutting-edge information, clinical tools and neuroscience of the vestibular and oculomotor system. Dr Peter Scire, who has thousands of hours in Functional medicine and Functional Immunology, will discuss cutting edge assessment and clinical tools around immunoception and functional neuroimmunology.

No one in the world has presented such a complete “Brain Based’ approach to physical, mental, emotional health and well-being. **You will come away with information you can use immediately in your practice and in your own life. This is the future of health care!**