

Functional Developmental Behavioral Neuroimmunology

Beginning May 1, 2024

Instructors:

Dr. Robert J. Melillo

Dr. Peter Scire

Course Objective: Ultimate goal is for a healthcare professional to obtain a post graduate degree and a fellowship in Behavioral Neuroimmunology

State of Purpose: Using the most cutting-edge research and clinical expertise, to provide a detailed explanation of neurodevelopmental disorders from a complete model that's includes neurology, immunology and behavioral health perspectives. Answers to what is happening in the brain in the most detailed way from a neurophysiological and immunological perspective, what are the proposed causes,

OUTLINE MODULE 7: The Disembodied Child

Why Can't a Child Speak?

Factors That affect Communication, Language and Speech development in Autism.

When The Immune System Attacks itself.

ONLINE PART 1

1.75 HOURS | Dr. Robert Melillo

Autism - What is autism? History and Diagnosis epidemiology

What is Autism

Leo Kanner

Hans Asperger

Applied Behavioral Analysis and Standard practice

Functional Neuroanatomy of Autism Spectrum Disorders

Managing Non-Speaking Autism for all ages

1.5 HOURS | Dr. Peter Scire

Early preconception health maternal immune activation

Th17 response in the womb

Pregnancy and Th1 and Th2

Overactive Microglia excessive neuronal pruning

Excitatory vs inhibitory networks and Mitochondrial function

1.5 HOURS | Dr. Robert Melillo

Neurophysiology of Communication

Why doesn't a child speak?

The role of interoception Inula cortex

Nonverbal communication
Verbal Communication
Sensory deficit vs Motor Planning deficit
Left Brain vs Right Brain language Disorders and approaches

1 HOUR | Dr. Robert Melillo

Using The Melillo Method forms
History - child/adult
Cognitive style profile
Hemispheric Checklists
Examination forms
Treatment forms
Putting together a treatment plan
Neurorehabilitation

1.25 HOURS | Dr. Peter Scire

Neuroimmunology treatment plan
We will review the case histories for immunology, therapy and treatment that was used and pre and post test results with those patients. At least 2 to 3 case studies will be presented.

SUNDAY | APRIL 7, 2024

1.5 HOURS | Dr. Robert Melillo

Neuroanatomy of the Cortex
Brodmann areas - history and functional Neuroanatomy
Frontal Lobe Brodmann areas and Functions
Temporal Lobe Brodmann areas and Functions
Occipital Lobe Brodmann areas and Functions
Parietal Lobe Brodmann areas and Functions
Limbic Lobe Brodmann areas and Functions

1.5 HOURS | Dr. Peter Scire

Cortical Control of Autonomic and Immune system
Clinical neuroimmunology
Evaluation, Testing, therapy and treatment options and anticipated outcomes and time expectations

1.5 HOURS | Dr. Robert Melillo

The Neurophysiology of Facilitated Communication techniques
ACC devices
Picture Exchange
Rapid Prompting Method
Spell to Speak
Case Examples and Videos /Live Demonstration.

2 HOURS | Dr. Peter Scire

Managing Diet

Elimination Diets and Food Challenges

The most common food sensitivities

Lab Testing for Food sensitivities

Neuroimmunology of Leaky gut, food sensitivities and inflammation