

Functional Developmental Behavioral Neuroimmunology

April 6-7, 2024 | New York City

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.

SATURDAY | April 6, 2024

9:00AM–10:45AM | 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

15 Minute Break | 10:45AM-11:00AM

11:00AM-12:30PM | 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

Lunch | 12:30PM-2:00PM

2:00PM-3:30PM | 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

15 Minute Break | 3:30PM-3:45PM

3:45PM-4:45PM | 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

4:45PM-6:00PM | 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

9:00AM-10:30AM | 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

15 Minute Break | 10:30AM-10:45AM

10:45AM-12:15PM | Dr. Peter Scire

Cortical Control of Autonomic and Immune system

Clinical neuroimmunology

Evaluation, Testing, therapy and treatment options and anticipated outcomes and time expectations

Lunch | 12:15PM-1:15PM

1:15PM-2:45PM | 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.

15 Minute Break | 2:45PM-3:00PM

3:00PM-5:00PM | 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