

# Functional Developmental Behavioral Neuroimmunology

Beginning July 1, 2024 | Online Re-Play

**Dr. Robert J. Melillo**

**Dr. Peter Scire**

## OUTLINE MODULE 9

**The Social Brain** - Attachment, Behavior and The Social Engagement System. Hemispheric and Neuroimmune factors in the formation of Emotional Networks

**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?

### SATURDAY – PART 1 |

#### 1.5 HOURS | Dr. Robert Melillo

Neurobiology of Attachment

History of Psychology and Freud

Poly vagal system, Freeze response and trauma

Trauma and the right hemisphere

Boys Vs Girls - gender and risk factors of Externalizing Vs Internalizing Psychopathologies

Emotional Networks

#### 1.75 HOURS | Dr. Robert Melillo

Pandas/PANs testing and treatment

How to accurately diagnose Pandas or PANs

Non-medical vs medical options

Autoencephalitis

#### 2 HOURS | Dr. Robert Melillo

Functional Cognitive testing /Treatment

Frontal Lobe Testing /Treatment

Temporal Lobe testing /Treatment

Parietal Lobe testing /Treatment

Occipital Lobe testing /Treatment

Cerebellum/ Basal Ganglia testing /Treatment

**1.25 HOURS | Dr. Peter Scire**

Neuroimmunology

Testing, Evaluation and Interpretation

Different options from different testing vendors

**1 HOUR | Dr. Robert Melillo & Dr. Peter Scire**

Clinical cases and Panel Discussion

Q & A - Dr. Melillo and Dr. Scire

**SUNDAY – PART 2 |**

**1.5 HOURS | Dr. Robert Melillo**

Attachment Research

Strange Situation Test

Secure Attachment

Insecure Attachment

Avoidant Attachment and Left Hemisphere Attachment Styles

Anxious Attachment and Right hemisphere attachment Style

Disorganized Attachment and Psychopathology

Adult Vs Childhood Attachment Styles

Functional Neurology Approach to Attachment Disorders

**1.75 HOURS | Dr. Peter Scire**

Immunology – review of normal and abnormal levels

Review of signs and symptoms

**1.5 HOURS | Dr. Robert Melillo**

Reality Testing and the Brain

Neuroanatomy of reality and Self Awareness

Disorders of Reality Testing, psychosis

Hemispheric relationships to Derealization Disorders

**1.75 HOURS | Dr. Peter Scire**

Immunology

Review of relationship to neurodevelopmental disorders

Review of relationship to brain function, neuroimmunology & immune dysfunction

**30 MINUTES | Dr. Robert Melillo & Dr. Peter Scire**

Questions and Answers