

Decoding the Autistic Brain

From Understanding Inside Neurobiology to Choosing Intervention Strategies

Course Description

The four-day workshop will blend cutting edge neurobiology with treatment strategies supporting clinicians and educators who serve the Autism Spectrum Disordered population. Whether you are an Occupational Therapist, Physiotherapist, Speech and Language Pathologies / Speech Therapist, Psychiatrist, Clinical Psychologist, Educational Psychologist or an Educator, this workshop will provide you with an up to date and deeper understanding of the mechanisms of the brain-body science of Autism Spectrum Disorder. Create evidence informed choices of treatments for your individual clients across a wide range of treatment modalities.

Presenter



Ms. Kim Barthel, BMR, OTR, is an author, consultant, occupational therapist, and owner of Labyrinth Journeys, a workshop company dedicated to providing professional and personal growth workshops. Kim is a Neuro-Developmental Treatment-OT Instructor and a teacher of Sensory Integration Therapy, with post-graduate study in neuro-sciences and a range of complementary healing practices. Having recently authored the pediatric textbook; Evidence and Art: Merging Forces in Pediatric Therapy, Kim proficiently blends and bridges the most up to date science of connection and attachment theory with the intuitive aspect of the therapeutic process. Kim's recent professional challenges include team strategy facilitation for acute pediatric/adolescent mental health cases, and creating sustainable care strategies in a wide variety of cultures throughout the world.

Decoding the Autistic Brain

Course Details

Theme:	Decoding the Autistic Brain			
Date:	19 th , 20 th , 22 nd and 23 rd Dec, 2014 [No class on Sunday]			
Time:	09:00 – 18:00			
Venue:	TKP Wan Chai Conference Centre 17/F, East Town Building, 41 Lockhart Road, Wanchai, Hong Kong			
Language:	The courses will be conducted in English only			
Fee:	1 day	2 days (any combinations)	3 days (any combinations)	4 days*
Early Bird On or Before 21 st Oct, 2014:	HKD\$1,500	HKD\$3,000	HKD\$4,500	HKD\$5,500
Regular:	HKD\$2,000	HKD\$4,000	HKD\$6,000	HKD\$7,000
Target audiences:	Psychiatrist, Pediatrician, Psychologist, Occupational Therapist, Physiotherapist, Speech and Language Pathologies / Speech Therapist, Teachers and related professionals			
Organizer:	CREST Child Rehabilitation and Education Service Team and SPOT			
CPD (OT):	Maximum 18 OT CPD points/ 6 OT CPD points per day			

*Registration is not solely base on first come first serve, priority maybe given to those registered for **4** days

Certification

Certificate of attendance will be issued each day.

Certificate of attendance will be issued for participants with over 75% attendance of each day.

Payment Method

Please make cheque payable to “CREST Child Rehabilitation and Education Service Team”, and to the address here by post with the registration form enclosed:

“SPOT One Island South, 1021-25 Heung Yip Road, Wong Chuk Hang, Hong Kong”

*Notification will be sent by email to confirm registration after receipt of payment.

Decoding the Autistic Brain

Course Content

Day 1:

Neuroplasticity and Therapeutic Intervention of Autism

Learning Objectives:

1. The learner will develop a preliminary understanding of the current science of genetic/ environmental interaction in the development of ASD.
2. The learner will develop a preliminary understanding of the neurotransmitters involved in ASD.
3. The learner will develop a preliminary understanding of the translational research of how neuroscience affects therapeutic intervention.
4. The learner will develop a preliminary understanding of the research of how neurons interact with one another in the ASD brain.
5. The learner will develop a preliminary understanding of the science of neuroplasticity informs our treatment principles.

Tentative Schedule:

9:00 – 11:00	Is it nature or nurture? The new science of epigenetics and how genes and the environment work together
11:15 – 13:00	The soup of brain chemicals in Autism: Neurotransmitters and their influence upon behaviour
14:00 – 15:00	How does this knowledge affect my treatment? Does therapy affect neurochemistry and genetics?
15:15 – 16:00	Neurons that fire together wire together: How learning and language development occurs in the brain Neuronal connectivity in Autism: Faulty wiring and how this affects learning and language development in Autism
16:00 – 18:00	Neuroplasticity and therapeutic Intervention Brain changes within different frames of reference: Sensory Processing, RDI, TEACCH, Social Thinking, etc.

Decoding the Autistic Brain

Course Content

Day 2:

Self-Regulation, Stress and Immune System of Autism

Learning Objectives:

1. The learner will begin to understand how the immune system and the brain and how this affects behaviour.
2. The learner will begin to understand how regulation of the autonomic nervous system affects the immune system.
3. The learner will begin to understand the science of sensory regulation.
4. The learner will develop basic techniques for treatment of regulation.

Tentative Schedule:

9:00 – 11:00	Exploring the links between autism, the immune system and the brain
11:15 – 13:00	How stress affects the immune system
14:00 – 15:30	How regulation through the sensory systems can affect the stress response
15:45 – 18:00	Treatment techniques to support regulation (sensory, cognitive, emotional)

Decoding the Autistic Brain

Course Content

Day 3:

Relationship-based and Cognition-based Intervention Strategies for Autism

Learning Objectives:

1. The learner will develop a preliminary understanding of the science of attunement and how it supports regulation and learning.
2. The learner will develop a preliminary understanding of the neuroscience theory of mind and social thinking.
3. The learner will develop a preliminary appreciation of current research with respect to executive functions and the ASD population.
4. The learner will develop strategies for attunement and cognitive development.

Tentative Schedule:

9:00 – 11:00	The science of attunement for the child with ASD (DIR, RDI, Dragonfly, Dynamic Maturation Model)
11:15 – 13:00	The neuro-science of theory of mind and social thinking
14:00 – 15:30	Executive function in the child with ASD
15:45 – 18:00	Attunement and cognitive strategies

Decoding the Autistic Brain

Course Content

Day 4:

Sensory Processing Intervention and Motor Intervention for Autism

Learning Objectives:

1. The learner will develop a preliminary understanding of sensory processing in the autistic brain (sensory processing intervention, therapeutic listening, integrated listening system, Irlen).
2. The learner will develop a preliminary understanding of the science of sensory processing intervention for the child with autism.
3. The learner will develop a preliminary understanding of the brain parts involved in motor control in autism.
4. The learner will develop a preliminary awareness of how therapy affects the motor system in clients with autism.

Tentative Schedule:

9:00 – 11:15	Sensory processing and the autistic brain
11:30 – 13:00	How does sensory processing intervention work for people with autism?
14:00 – 15:30	Motor areas of the autistic brain
15:45 – 18:00	How does motor intervention in treatment support people with autism?

"Decoding the Autistic Brain" - Registration Form

Personal Information

Name (in Block Letters): (Surname) _____ (Given Name) _____
 Institution: _____ Profession: _____
 Mailing Address: _____
 Phone No.: (Office) _____ (Mobile) _____ Fax No.: _____
 E-mail: _____ **Please state clearly for receiving confirmation.*

Registration Category

DAY	EARLY BIRD (On or Before 21 st Oct, 2014)	REGULAR FEE (After 21 st Oct, 2014)
Any 1 day <i>(Please specify below)</i>	<input type="checkbox"/> HKD\$1,500	<input type="checkbox"/> HKD\$2,000
Any 2 days <i>(Please specify below)</i>	<input type="checkbox"/> HKD\$3,000	<input type="checkbox"/> HKD\$4,000
Any 3 days <i>(Please specify below)</i>	<input type="checkbox"/> HKD\$4,500	<input type="checkbox"/> HKD\$6,000
All 4 days	<input type="checkbox"/> HKD\$5,500	<input type="checkbox"/> HKD\$7,000
<i>*Please note that priority of registration will be given to those registering more days of the course.</i>		
<input type="checkbox"/> 19 th Dec, 2014 (Fri) Day 1: Neuroplasticity and Therapeutic Intervention of Autism		
<input type="checkbox"/> 20 th Dec, 2014 (Sat) Day 2: Self-Regulation, Stress and Immune system of Autism		
<input type="checkbox"/> 22 nd Dec, 2014 (Mon) Day 3: Relationship-based and Cognition-based Intervention Strategies for Autism		
<input type="checkbox"/> 23 rd Dec, 2014 (Tue) Day 4: Sensory Processing Intervention and Motor Intervention for Autism		

Cheque no. _____, Bank: _____

Telegraphic Transfer (see appendix for instructions)

Payment Method

Please make cheque payable to "CREST Child Rehabilitation and Education Service Team", and to the address here by post with the registration form enclosed:

"SPOT One Island South, 1021-25 Heung Yip Road, Wong Chuk Hang, Hong Kong"

*Notification will be sent by email to confirm registration after receipt of payment.

Terms and Conditions

In no event shall CREST and SOPT and their employees be liable to the participants for any costs, losses, damages, liabilities or expenses arising directly or indirectly from this seminar.

No registration fee shall be re-funded after confirmation of registration.

I, _____ (name of participant), hereby confirm that I have read, understood and agreed with all terms and conditions stated for this seminar.

I **want/ do not want**[#] to receive updates from CREST in the future.

I **want/ do not want**[#] to receive updates from SPOT in the future.

#please delete as appropriate

Signature: _____

Date: _____