



**Southern California Special Education Administrators  
and  
Mediscan Staffing Services/DirectED Educational Services**

*Presents*

**64<sup>th</sup> Annual Speech/Language Study Conference**

**Neuroscience Update on Language and Learning:  
The effect of poverty, stress, diet, genetics and learning disabilities on brain  
maturation and best practices for intervention.**

**Wednesday, January 16, 2019**

**8:30 a.m. – 3:30 p.m.**

**Registration/check-in, starts at 7:30 a.m.**

**\$45.00 (credit card only)**

at

The Centre at Sycamore Plaza  
5000 Clark Avenue, Lakewood, CA 90712

Presented by:

**Martha Burns, Ph.D., CCC-SLP, ASHA Fellow**



As the author of over 100 articles, three books, multiple book chapters, and the Pearson Assessment Burns Brief Inventory of Communication and Cognition neuroscientist Martha S. Burns, Ph.D., is a leading expert on how children learn. She speaks frequently on the importance of applying the science of learning to Speech and Language Pathology assessment and intervention. She currently serves as the Director of Neuroscience Education at Scientific Learning Corporation and on the faculty of Northwestern University as an Adjunct Associate Professor. Dr. Burns is a Fellow of the American Speech-Language-Hearing Association. Her area of specialization is language, literacy and brain maturation from birth to adulthood.

*Disclosure: Martha S. Burns, Ph.D., CCC-SLP, will receive an honorarium to speak at this conference. She has no non-financial disclosures.*

### **Course Objectives/Summary/Description:**

This course will review the newest research on brain development and how teachers and SLPs change brains in positive ways. The course will begin with new research on brain maturation and the effects of environmental and genetic influencers like language exposure, poverty, stress and genetics. The unique changes of the adolescent brain will also be covered. The course will then focus on what has been learned about brain differences associated with auditory processing disorders, language disorders, dyslexia, and autism spectrum disorders. The focus of the second half of the day will be on best practices for intervention.

### **Learner Outcomes:**

At the conclusion of this session the participants will be able to:

- Utilize the new research on brain maturation to anticipate and recognize potential cognitive and learning issues associated with poverty and stress
- Utilize the new research on brain maturation to anticipate and recognize potential cognitive and learning issues associated with genetic predispositions to learning disabilities
- Recognize important issues in assessment of Dyslexia, Language Impairment, Auditory Processing Disorders and Autism Spectrum Disorders
- Identify best practices for intervention with Dyslexia, Language Impairment, Auditory Processing Disorders and Autism Spectrum Disorders

### **SCHEDULE**

<b>TIME</b>	<b>SESSION</b>
7:30 – 8:30	Registration
8:30 – 10:15	The neuroscience of the developing brain: <ul style="list-style-type: none"><li>• Overview of brain maturation - birth to 18 years</li><li>• Auditory Processing</li><li>• Language</li><li>• Reading, Mathematics</li><li>• Executive Functions, Emotional Learning</li></ul>
10:15 – 11:30	Environmental Effects on Brain Maturation <ul style="list-style-type: none"><li>• Poverty, Language Exposure, Stress &amp; Nutrition</li><li>• Genetic effects on brain maturation - current state of knowledge: Dyslexia, Autism Spectrum Disorders</li><li>• The Adolescent Brain - challenges and opportunities</li></ul>
11:30 – 1:00	Lunch (on your own at one of the many restaurants in the area)
1:00 – 3:00	Learning issues and best practices: <ul style="list-style-type: none"><li>• Auditory Processing Disorders</li><li>• Language Learning Issues</li><li>• Reading and Dyslexia</li><li>• Autism Spectrum Disorders</li></ul>
3:00 – 3:30	Turn in Evaluations and Pick up Certificates

**PAYMENT:**

You can only register through Eventbrite website using the password below and only using a CREDIT CARD.

**We do not accept PO's (no exceptions). Maximum number of spots: #875**

Workshop **Pre-Registration** fee: \$45.00 (now to January 11, 2019 at 5:00 p.m.)

**LATE REGISTRATION** - After January 11, 2019, **(if there is still room available)**, you can register the day of the event at the door, \$60.00, by using CASH or Check ONLY. Checks can be made payable to SoCalSEA.

NO REFUNDS WILL BE ISSUED (no exceptions)

For questions, please email [socalseapd@gmail.com](mailto:socalseapd@gmail.com)

**MUST** use this **password** to register:  
**SOCALSEA11619**



**If link above does not work, please go to:**

**<https://www.eventbrite.com/e/neuroscience-update-on-language-and-learning-tickets-50922373189>**

Please provide your California SLP or SLPA license number and ASHA account number when you register on Eventbrite. Additionally, bring both your California State license number and ASHA account number to the conference to verify information for your ASHA CEUs.

Specify ADA Accommodations if needed.

**This course is offered for 0.5 ASHA CEUs (Intermediate level; Professional area.)**



Mediscan Staffing Services is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. **See course information for number of ASHA CEUs, instructional level and content area.** ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.