

## About the Workshop

Dr. MacFabe is a researcher, neuroscientist and a physician. His research includes exploring diet, antibiotic and bacteria related gut problems in ASD that can impact brain development leading to behavioral and social interaction issues and changes in the brain. He looks at Autism as a “whole body disorder” that affects brain function and behavior. Dr. MacFabe will also present his latest research findings on possible markers and treatments for children and adolescents based on his work with the Somali immigrant population in Canada (which has a 2-4 times greater incidence of ASD) This workshop is geared for a broad spectrum of attendees including: Parents, physicians, PAs, NPs, RNs SLPs, OTs, PTs and other interested professionals. Dr. MacFabe is an informative, understandable and enjoyable presenter.

### At the conclusion of this workshop, participants will be able to:

1. Describe the “Social Brain,” and the impact of Autism on the areas of the brain responsible for facial expression, repetitive movement, and empathy.
2. Describe evidence for possible dietary, gastrointestinal, metabolic, and infective links to ASD in relation to mitochondrial disorder/dysfunction.
3. Describe the effect of by-products on repetitive, hyperactive, antisocial behaviors, seizures, brain metabolism and the immune system.
4. List potential treatment strategies for ASD.

**Location:** Classics V Conference Center is located at 2425 Niagara Falls Blvd. — One mile north of the Niagara Falls Blvd. Exit on the I-290 or Youngmann Hwy.

In case of inclement weather/ other emergency, please call our event closing hotline at 631-5777, ext. 688.



Autism Society WNY Chapter  
19 Limestone Dr., Suite 1  
Williamsville, NY 14221

Autism Society WNY Chapter &  
Autism Services, Inc.'s  
(Formerly Autistic Services, Inc.)  
Autism Center for Learning  
Invite you to attend :

## Putting the Pieces Together: Some New Developments in Autism Research



Presented by  
**Dr. Derrick MacFabe**  
Director: Kilee Patchell-Evans  
Autism Research Group  
University of Western Ontario  
London, Ontario

Co-Sponsored by D'Youville College  
Physician Assistant Program and *The Speech-  
Language-Hearing Association of WNY*

**Classics V Conference & Banquet Center**  
**Amherst, NY**

**Saturday, October 27, 2012**

**8:45 am-12:45 pm**

**\$10 Parent /Individuals with ASD**

**\$15 Professionals and Students**

**\$25 SLP/OT/COTA/PT/PTA**

**\$25 PA/NP/RN**

# About the Speaker

## Derrick MacFabe, M.D. Ph.D.



Dr. MacFabe is Assistant Professor and Director of the Kilee Patchell-Evans Autism Research Group, Departments of Psychology (Neuroscience) & Psychiatry (Division of Developmental Disabilities) at the University of Western Ontario. Using an animal model, he is studying the role of genetics, biochemistry and environment on the identification and possible treatment of Autism. His peer reviewed published research on potential gastrointestinal infectious links in autism, has recently been listed among the “Top 50 Scientific Discoveries in Canada” by the Natural Sciences and Engineering Research Council. Dr. MacFabe was recently invited to speak at a Nobel Forum “The Gut and the Brain—with a focus on Autism Spectrum Disorders” at the Karolinska Institute in Stockholm Sweden. His work was also featured on the recent Canadian documentary, “The Autism Enigma”.

**Disclosure: This speaker has no relevant financial or non-financial relationships to disclose.**



This program has been reviewed and is approved for a maximum of three hours of AAPA Category I CME credit by the Physician Assistant Review Panel.

Physician assistants should claim only those hours actually spent participating in the CME activity. NPs may also claim CME credit for this program since the AAPA is an approved creditor by the AANP. RNs can also claim AAPA credits for general CEUs. This program was planned in accordance with AAPA’s CME Standards for Live Programs and for Commercial Support of Live Programs.

**Scholarships available for parents or individuals with ASD based on financial need. Please call (716) 633-2275 for more information.**

**Additional brochures are available online at [www.autismwny.org](http://www.autismwny.org), [www.autism-services-inc.org](http://www.autism-services-inc.org), and [www.shawny.org](http://www.shawny.org) or call (716) 633-2275.**

## WORKSHOP SCHEDULE

**8:00-8:45: Registration/Continental Breakfast**

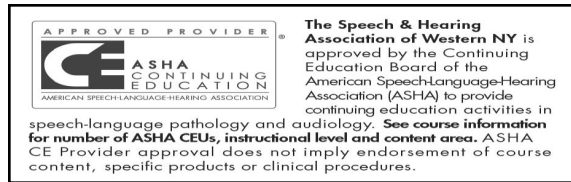
**8:45-9:00: Introduction**

**9:00– 10:30: Core symptoms in Autism (repetitive behavior, social avoidance, etc.) ; Co-morbid symptoms (seizures, gut issues, immune and mitochondrial dysfunction) ; Effect of diet/gut issues on these symptoms.**

**10:30-10:45: Morning Break**

**10:45-12:15: Research update– Understanding the importance of the gut-brain connection; Effect of early antibiotic exposure on the gut; ASD markers, screening and treatment; The Somali situation; Future directions in Autism Research.**

**12:15-12:45: Q and A**



This course is offered for .3 ASHA CEUs (Intermediate level; Related area).



**Educational method:** Lecture. **Level:** Intermediate  
**Assessment of Learning:** Outcome-responses required for those earning CEUs. **Continuing Education Units (CEUs):** .325 IACET CEUs; 4 OT PDUs; .4 NYS Educ. Dept. PT Board Approved CEUs.

Learning Partners has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102; (703) 506-3275. In obtaining this approval, Learning Partners has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider accreditation status, Learning Partners is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard." Learning Partners is recognized by the N.Y.S. Education Department’s State Board for Physical Therapy as an approved provider of physical therapy and physical therapist assistant continuing education. Questions about OT/PT CEUs? Contact (716) 807-2289 or [info@learningpartners2.com](mailto:info@learningpartners2.com).

## WORKSHOP REGISTRATION

Name : \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_

E-mail: \_\_\_\_\_

**Please Select Only One Category:**

\_\_\_\_\_ Parent/Family/Individual w/ASD **\$10**

\_\_\_\_\_ Speech-Language Pathologist **\$25**  
 ASHA CEU credit included

\_\_\_\_\_ OT or COTA **\$25**  
 IACET CEUs recognized by NBCOT

\_\_\_\_\_ PT or PTA **\$25**  
 NYS-PT Board Approved CEUs

\_\_\_\_\_ PA/NP/RN with AAPA CEUs **\$25**

\_\_\_\_\_ Other Professional/Paraprofessional /Students  
 No CEU Awarded **\$15**

**All attendees will receive a Certificate of Attendance**

**Mail-In Registration Deadline: October 24, 2012.  
 No refunds after this date. Full refunds prior to.**

**You must be PRE-REGISTERED to be guaranteed handouts/packet.**

**Late (after 10/24/12) & Walk-In Registration if available: Additional \$10 added to above fees.  
 Please call 633-2275 or check [www.autismwny.org](http://www.autismwny.org) EVENTS page for late/walk-in registration availability.**

**Online registration and payment available until October 24, 2012 at [www.friendsofasi.org](http://www.friendsofasi.org).**

Checks payable to : **ASWNY Chapter**  
 Mail to: **19 Limestone Drive, Suite 1  
 Williamsville, NY 14221**