

# Epigenetics of the pathogenesis of language and speech impairments: Biological systems and behavioral development

December 8 – 10, 2010, Tempe Mission Palms, Phoenix, AZ

## Conference Agenda

Supported by the Merrill Advanced Studies Center, the Oregon Health and Science University,  
and the University of Kansas Medical Center

### Wednesday, December 8, 2010

- 6:00-7:00 Reception  
**7:00 Dinner**  
8:00 Introductory Session: Welcome and remarks  
Mabel Rice, Director, Merrill Advanced Studies Center  
9:00 Social Hour

### Thursday, December 9, 2010

- 7:00-8:00 Breakfast**  
**8:00-8:30 Group photo, Courtyard**  
8:30-9:15 Mabel Rice, Director, Merrill Advanced Studies Center, University of Kansas  
*"Toward epigenetic models of the pathogenesis of language impairment: Growth phenotypes as windows to timing mechanisms"*  
9:15-10:00 Moshe Szyf, Professor, Pharmacology & Therapeutics, McGill University  
*"Epigenetic mechanisms mediating the impact of the early environment on behavior"*  
10:00-10:30 Discussion – Joan Hunt, Moderator  
**10:30-10:45 Break**  
10:45-11:30 Matthias Groszer, INSERM, Université Pierre et Marie Curie  
*"Monogenetic neurodevelopmental disorders – molecular windows into complex neuropsychiatric syndromes"*  
11:30-12:00 Discussion – Peggy McCardle, Moderator  
**12:00-1:00 Lunch**  
1:00-1:45 Frank Bloomfield, Associate Professor of Neonatology, University of Auckland  
*"Periconceptual influences on fetal growth and postnatal development"*  
1:45-2:15 John Niparko, George T. Nager Professor of Otolaryngology-Head & Neck Surgery, Division of Otolaryngology, Neurotology and Skull Base Surgery at Johns Hopkins. Director, The Listening Center at Johns Hopkins  
*"Spoken Language Development after Cochlear Implantation"*  
2:15-2:45 Discussion – George Siberry, Moderator  
**2:45-3:00 Break**  
3:00-3:45 David Poeppel, Professor of Psychology and Neural Science, NYU. Director, Center for Language, Speech, and Hearing  
*"The architecture of speech perception"*

- 3:45-4:15 John Gilmore, Thad & Alice Eure Distinguished Professor; Vice Chair for Research & Scientific Affairs, Department of Psychiatry, University of North Carolina at Chapel Hill  
*"Imaging Brain Development in the First Years of Life: Implications for Language Development"*
- 4:15-4:45 Discussion – Lisa Freund, Moderator
- 4:45-5:00 Break**
- 5:00-5:45 Helen Tager-Flusberg, Professor of Psychology at Boston University, Professor of Anatomy & Neurobiology and Pediatrics at Boston University School of Medicine, Director of the Developmental Science program and the Laboratory of Developmental Cognitive Neuroscience  
*"The origins and early development of language in autism spectrum disorder"*
- 5:45-6:00 Discussion – Judith Cooper, Moderator
- 7:30 Dinner - House of Tricks**

Friday, December 10, 2010

- 7:00-8:00 Breakfast**
- 8:15-9:00 Dennis Drayna, NIDCD  
*"Genetic Approaches to Understanding the Causes of Stuttering"*
- 9:00-9:45 Shelley Smith, Professor of Pediatrics, College of Medicine, Professor and Chair of Developmental Neuroscience, Munroe Meyer Institute for Genetics and Rehabilitation at the University of Nebraska Medical Center  
*"Approaches to epigenetic analysis in language disorders"*
- 9:45-10:15 Discussion – John Colombo, Moderator
- 10:15-10:30 Break**
- 10:30-11:15 Silvia Paracchini, Senior post-doctoral fellow, Anthony Monaco's group at the University of Oxford  
*"An epidemiological approach to dissect reading and language disorders and their comorbidity"*
- 11:15-12:00 Summary Discussion  
*Mabel Rice, University of Kansas*
- 12:00-1:00 Lunch and Departure**