

Second Annual Down Syndrome: A Day with the Experts

“Basic Research to Clinical Care”

Saturday, November 12, 2011

9:00 AM - 2:00 PM (Complimentary coffee & bagels at 8:30 AM)

Friends of the Waisman Center Auditorium

1500 Highland Avenue, Madison WI 53705

FREE ADMISSION & PARKING • EVERYONE WELCOME • PLEASE PRE-REGISTER

This event offers participants an opportunity to learn about research related to Down syndrome at the Waisman Center and to hear from a panel of experts, including an individual with Down syndrome and family members.

9:00 AM – 9:30 AM

“Welcome and Introduction to the Waisman Center”—Marsha Mailick Seltzer, PhD, Director, Waisman Center

9:30 AM – 10:15 AM

“Update on Using Human Stem Cells to Study Down Syndrome”—Anita Bhattacharyya, PhD, Senior Scientist, Waisman Center
Human stem cells that have trisomy 21 provide an unparalleled way to study how the formation of the brain is different in Down syndrome. What we learn from studying how Down syndrome stem cells make brain cells will help us better understand Down syndrome, explain the reasons for the specific deficits found in Down syndrome, and ultimately lead to better treatments.

10:15 AM – 11:00 AM

“Studying the Natural History of Alzheimer’s Disease in Adults with Down Syndrome”—Brad Christian, PhD, Associate Professor, Medical Physics & Sigan Hartley, PhD, Assistant Professor, Human Development and Family Studies
The goal of this research is to understand the pathophysiology of Alzheimer’s disease in adults with Down syndrome. Positron emission tomography (PET) and magnetic resonance imaging (MRI) scans are used to examine the development of amyloid plaques in the brain and its effect on functioning over time in adults with Down syndrome. To date, 43 adults with Down syndrome have participated in the study.

11:00 AM – 11:15 AM

“What is the Madison Area Down Syndrome Society?”—Sterling Lynk, Executive Director of MADSS

11:15 AM – 12:00 PM LUNCH—Optional, \$5 box lunches (Cousins Subs) available for purchase.

12:00 PM – 12:30 PM.

“Infections in Children with Down Syndrome”—Ellen Wald, MD, Chair, Department of Pediatrics
Infections involving both the upper and lower portions of the respiratory tract have been identified as one of the most significant health problems in children with Down Syndrome. The precise explanation for the increased number and severity of infections is not known. The potential medical, anatomic and immune problems bearing on the increased susceptibility to infection will be discussed.

12:30 PM - 1:00 PM

“Update on the American Academy of Pediatrics Clinical Guidelines for Children with Down Syndrome”—Anna Dusick, MD, Medical Director, Waisman Center Clinics
We will highlight some of the changes recommended by the Committee on Genetics, for the care of infants and children with Down syndrome. These new guidelines were published in August 2011. They include recommendations for the newborn period, hearing screening, and cervical spine x-rays.

1:00 PM – 2:00 PM

PANEL DISCUSSION—A panel of experts, including an individual with Down syndrome and family members.

■ Please pre-register since capacity is limited. To register please go to:
<http://www.waisman.wisc.edu/events/specials/DWExDS2011.html>

■ For more information please contact Molly Walsh at Mwalsh@waisman.wisc.edu or 608.263.5908